

# PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

**In replying refer to:**

Public Notice Number: 1999-09200-1-L4  
Issue Date: March 27, 2002  
Expiration Date: April 26, 2002

**To Whom It May Concern:**

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) and Section 404 of the Clean Water Act (33 USC 1344).

**APPLICANT:** Iroquois Gas Transmission System, L.P.  
One Corporate Drive, Suite 600  
Shelton, CT 06484-6211

**ACTIVITY:** Install a Submerged Natural Gas Pipeline

**WATERWAY:** Long Island Sound and East River

**LOCATION:** Village of Northport, Town of Huntington, Suffolk County and Borough of the Bronx, Bronx County, New York.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

**ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE,** otherwise, it will be presumed that there are no objections to the activity.

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in

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**PUBLIC NOTICE NO. 1999-09200-1-L4**

the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species. The Federal Energy Regulatory Commission prepared an EFH Assessment that was included in their Environmental Impact Statement on the project. Further consultation with NMFS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occur. For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator, New York State Department of State, Division of Coastal Resources and Waterfront Revitalization, Coastal Zone Management Program, 41 State Street, Albany, New York 12231, Telephone (518) 474-6000. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- New York State Department of Environmental Conservation Permit
- New York City Department of Environmental Protection Permit
- Federal Energy Regulatory Commission Certification

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (212) 264-3912 and ask for Frank Tangorra. For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>



Richard L. Tomer  
Acting Chief, Regulatory Branch

Enclosures

**WORK DESCRIPTION**

The applicant, Iroquois Gas Transmission System, L.P., has requested Department of the Army authorization to install a submerged natural gas pipeline in Long Island Sound and East River, between the Village of Northport, Town of Huntington, Suffolk County, and the Borough of Bronx, Bronx County, New York.

The work would involve the installation of approximately 36.4 miles of 24-inch submerged natural gas pipeline that would extend from a proposed interconnection with Iroquois' existing mainline at the KeySpan Northport Power Plant located in the Village of Northport, Town of Huntington, Suffolk County, New York, across Long Island Sound to the Borough of Bronx, Bronx County, New York. The overall route is shown in Figures 1-12.

Near the northern terminus, the route would be through the East River parallel to Bronx shore line, under the Throgs Neck and Whitestone Bridges, through a Anchorage Area, making a shore approach at Hunts Point, and would follow Food Center Drive to a meter station, that would be constructed adjacent to Consolidated Edison's Hunts Point compressor station.

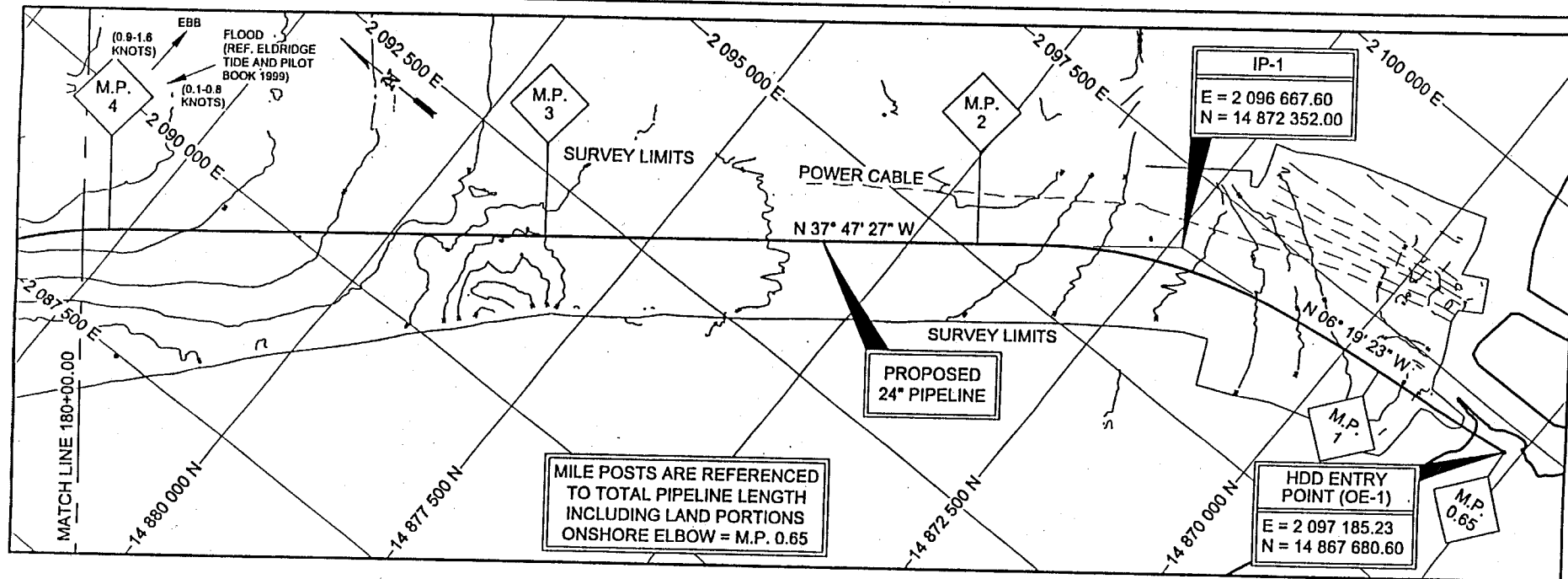
At Northport, to a distance of approximately 2,000 feet offshore, the pipeline would be installed using horizontal directional drill techniques (HDD) at a minimum of 20 feet below the substrate. Within waters of the Long Island Sound and the East River, the pipeline would be installed approximately 3 feet below the substrate using an industry plow. Backfilling above the pipeline would occur as a result of natural sedimentary processes and/or by placement of material above the pipeline. Materials that would be used to backfill above the pipeline include sediment displaced during the jetting process and/or crushed rock material emplaced using bottom dump scows. In areas where the bottom is unsuitable for plowing or trenching, rock backfill would be used to bury the pipeline.

Within the East River, a concrete mat cover would be provided to protect the pipeline from damage from anchors. At the shore approach at Hunts Point, from approximately 2,500 feet offshore, the proposed pipeline would be installed approximately 20 feet below the substrate using HDD. If the pipeline would cross a navigable channel or pass within 100 feet of a navigable channel, it would be installed seven feet below the designed dredge depth.

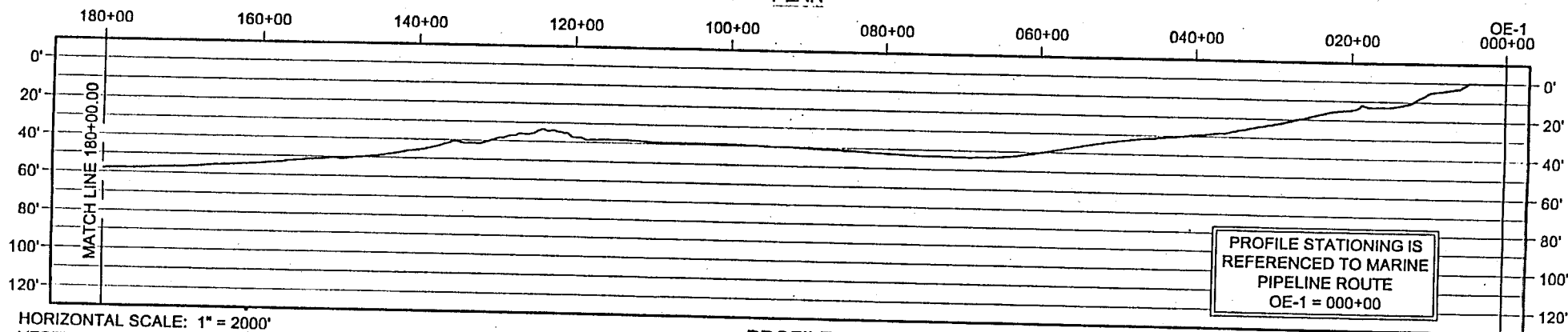
Also included in the project would be construction of two gas compressor stations and modifications to three other existing compressor stations related to the existing Iroquois Gas Pipeline. The proposed new compressor stations and modifications to one existing compressor station would not involve jurisdictional work in the waters of the United States. The two stations proposed to be modified in Town of Croghan, Lewis County and in Town of Athens, Greene County would involve filling of approximately 0.05 acres of wetlands.

The stated purpose of this project is to provide natural gas for electric generation and serve residential, industrial, and commercial customers in New York City.





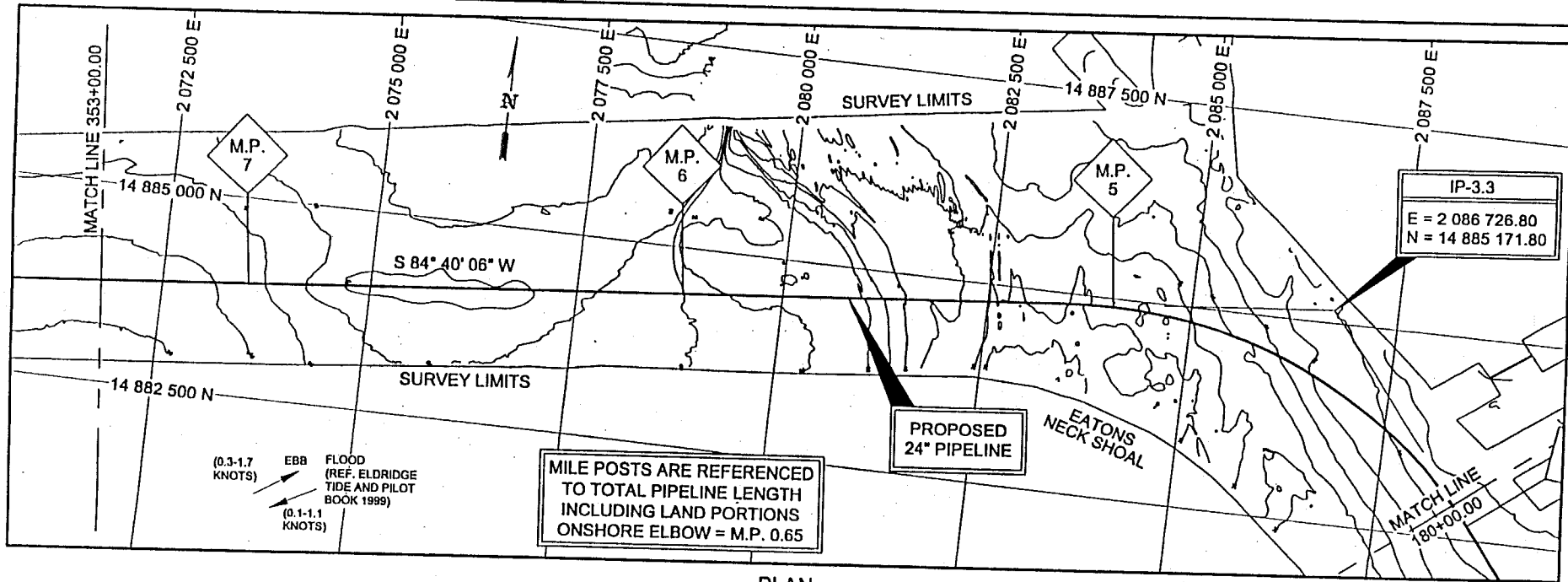
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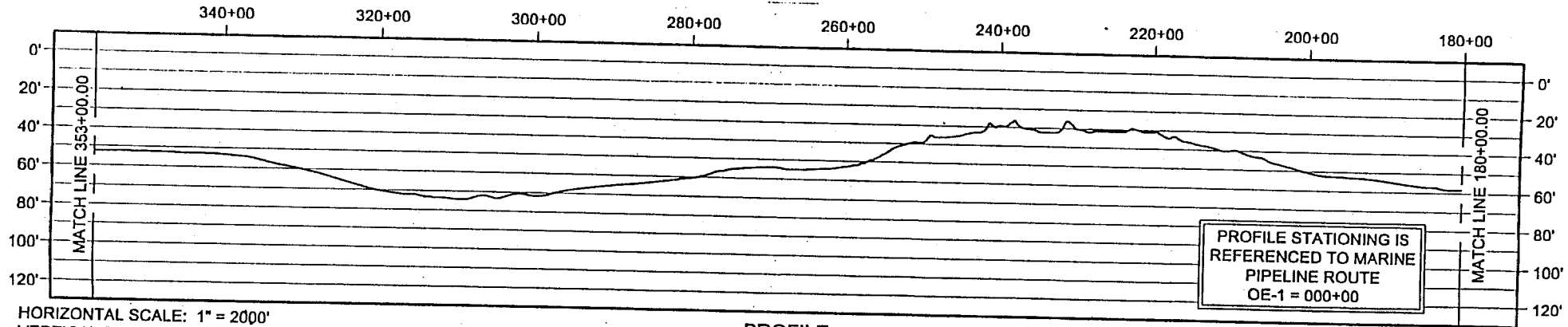
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HORIZONTAL SCALE: 1" = 2000'  
VERTICAL SCALE: 1" = 80'

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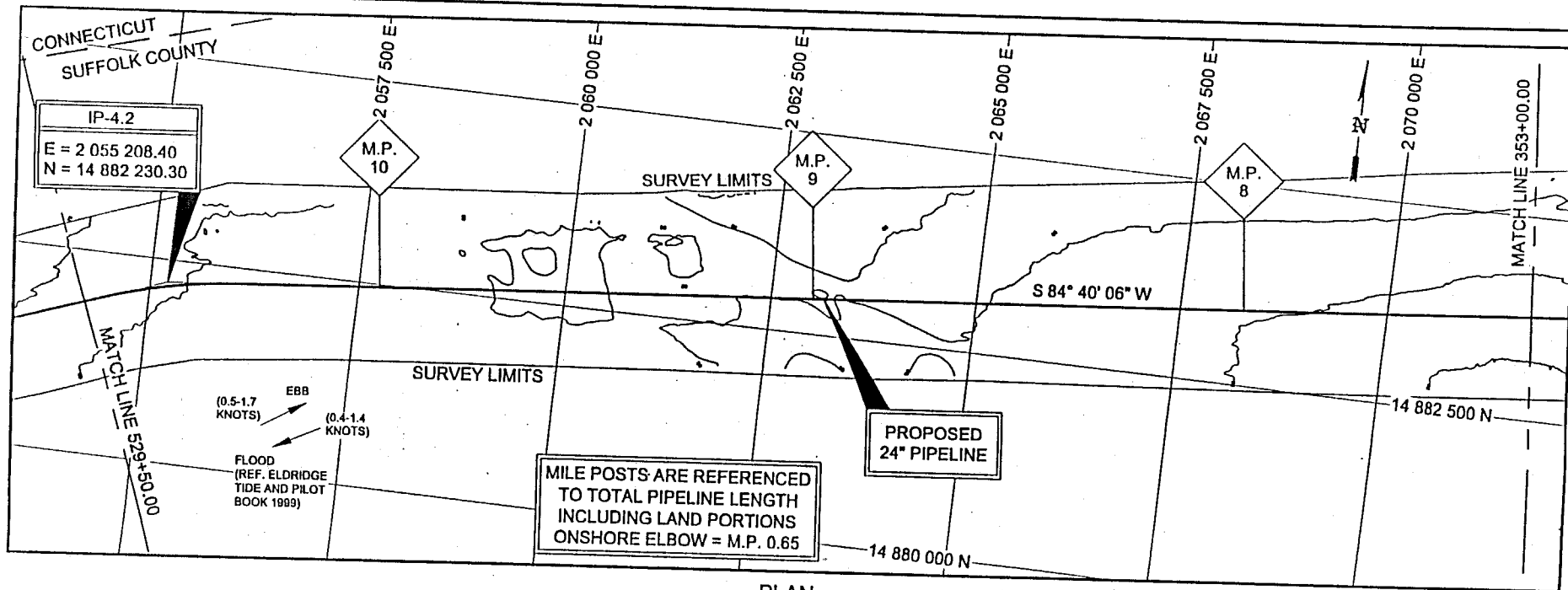
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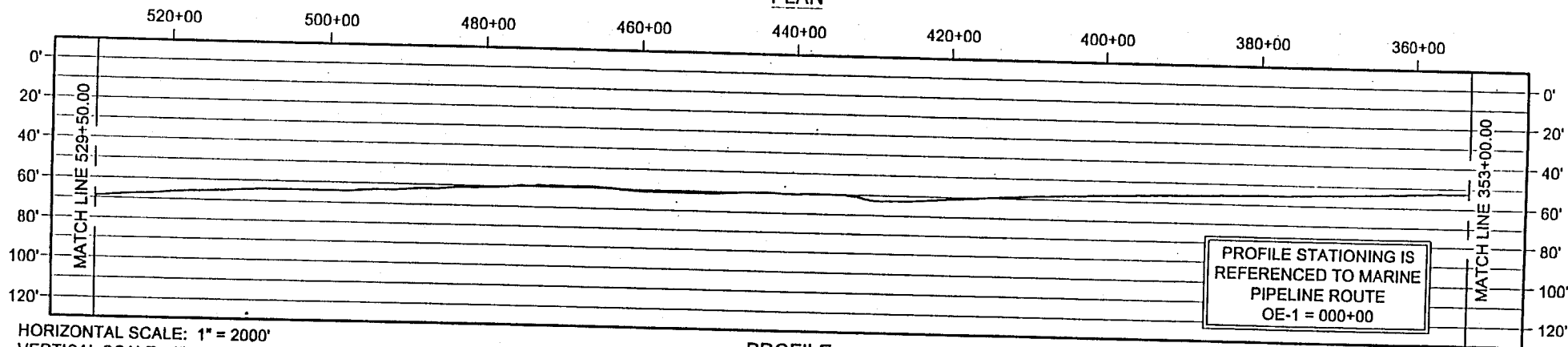
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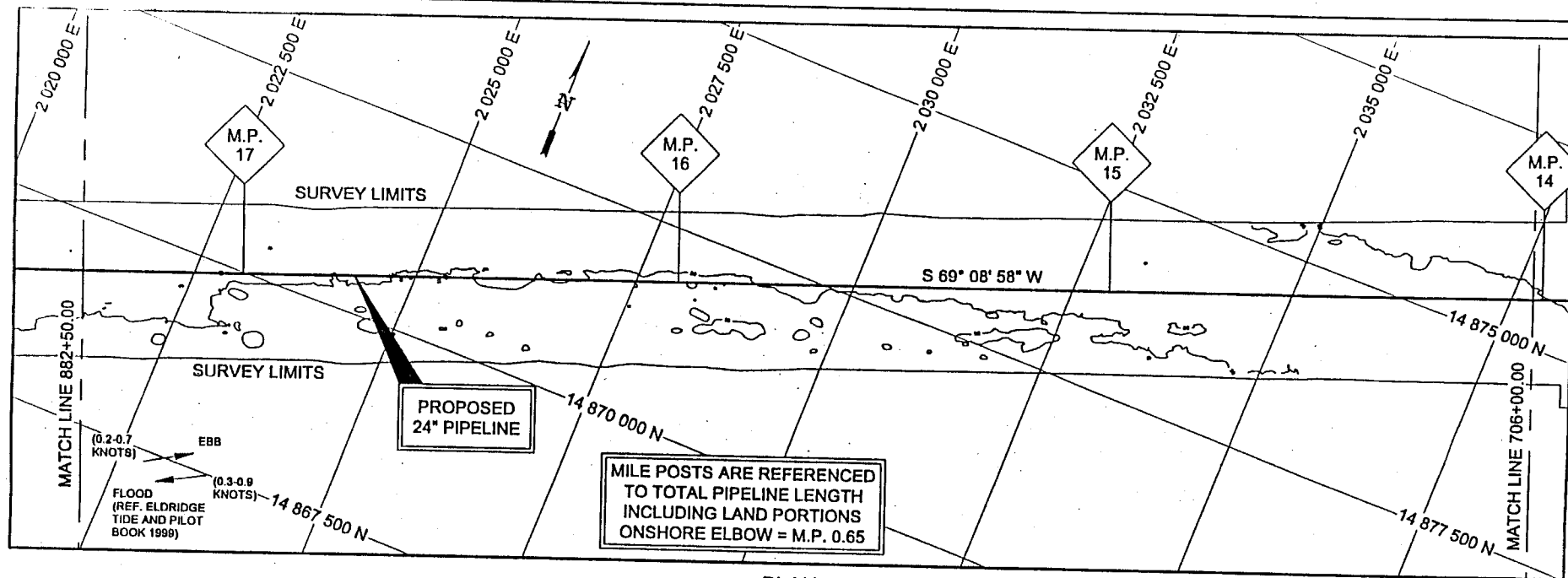
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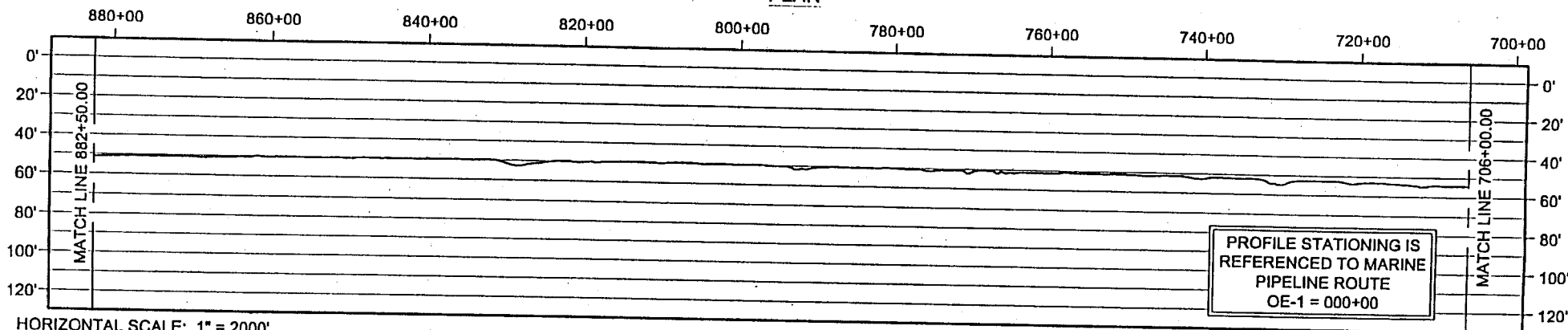
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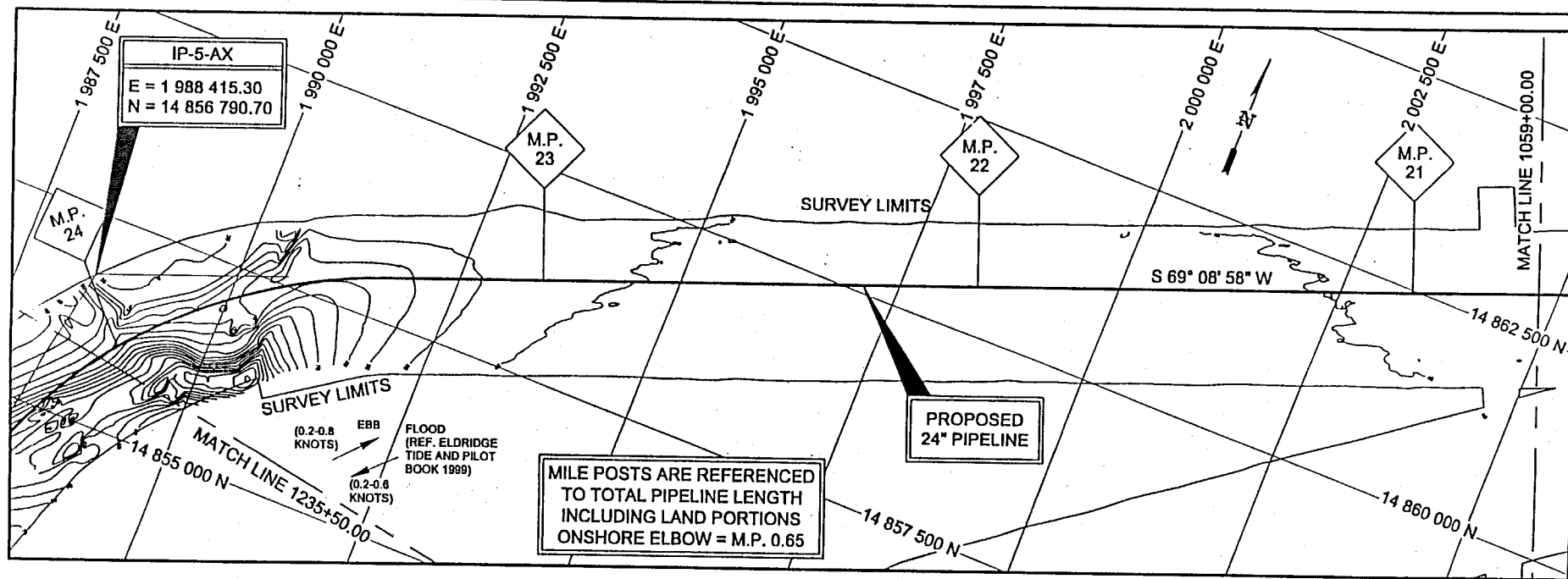


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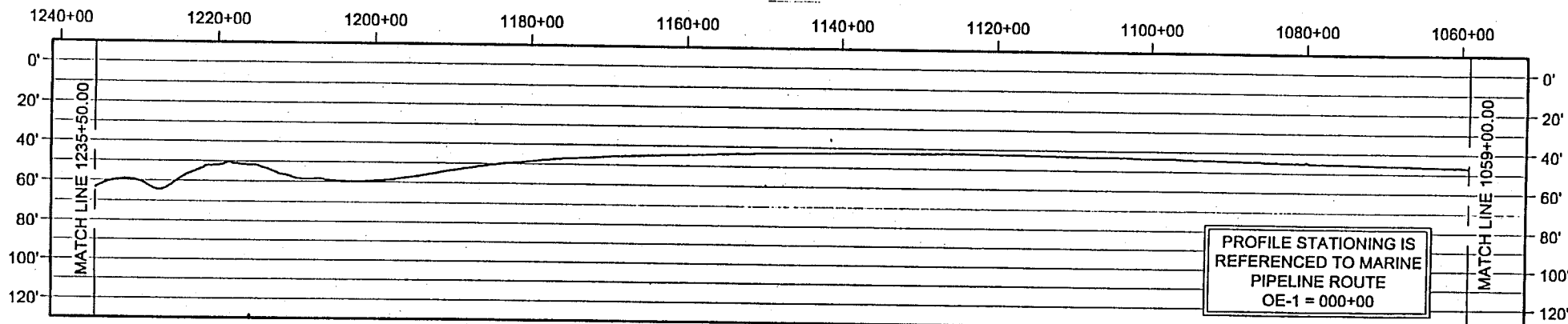
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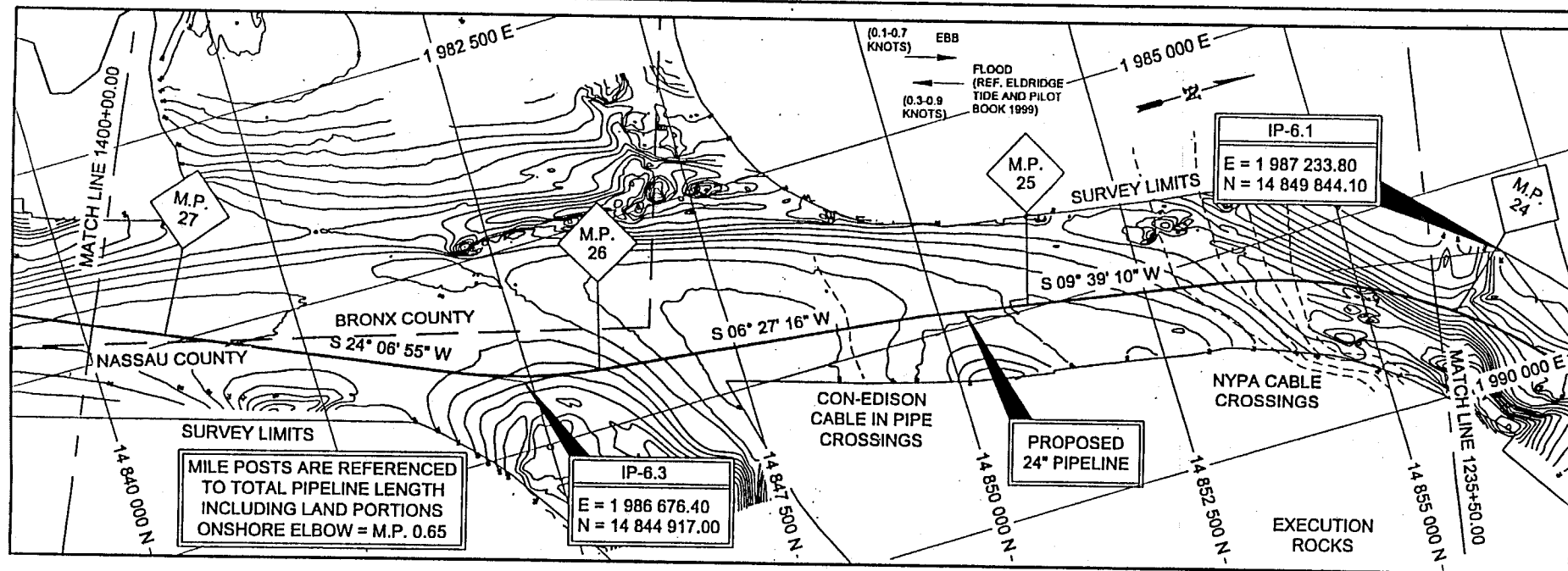
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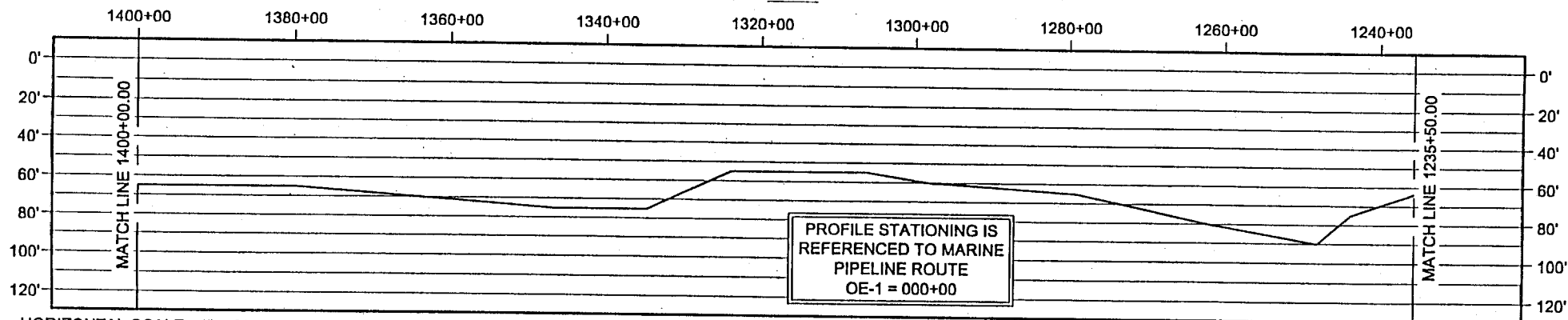
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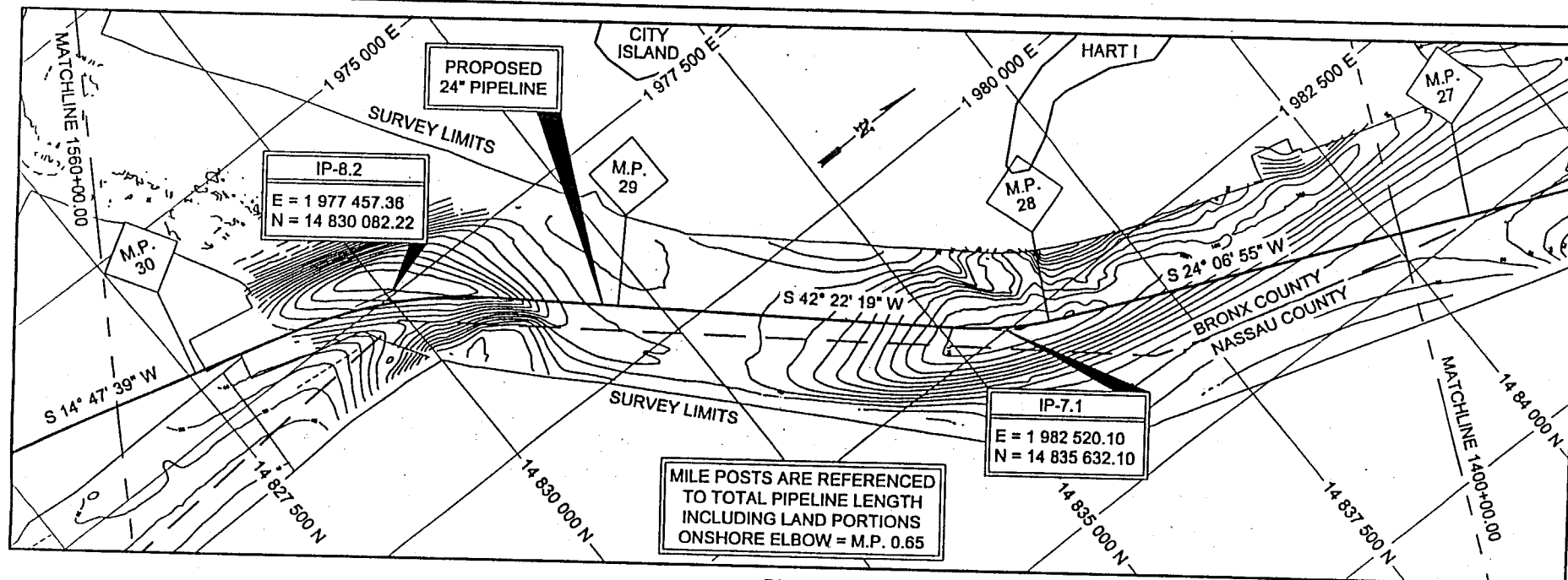
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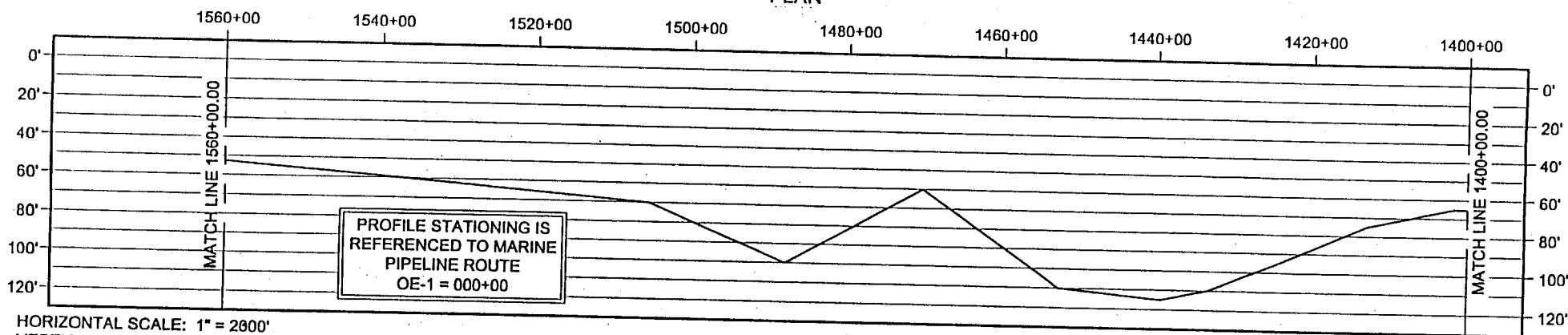
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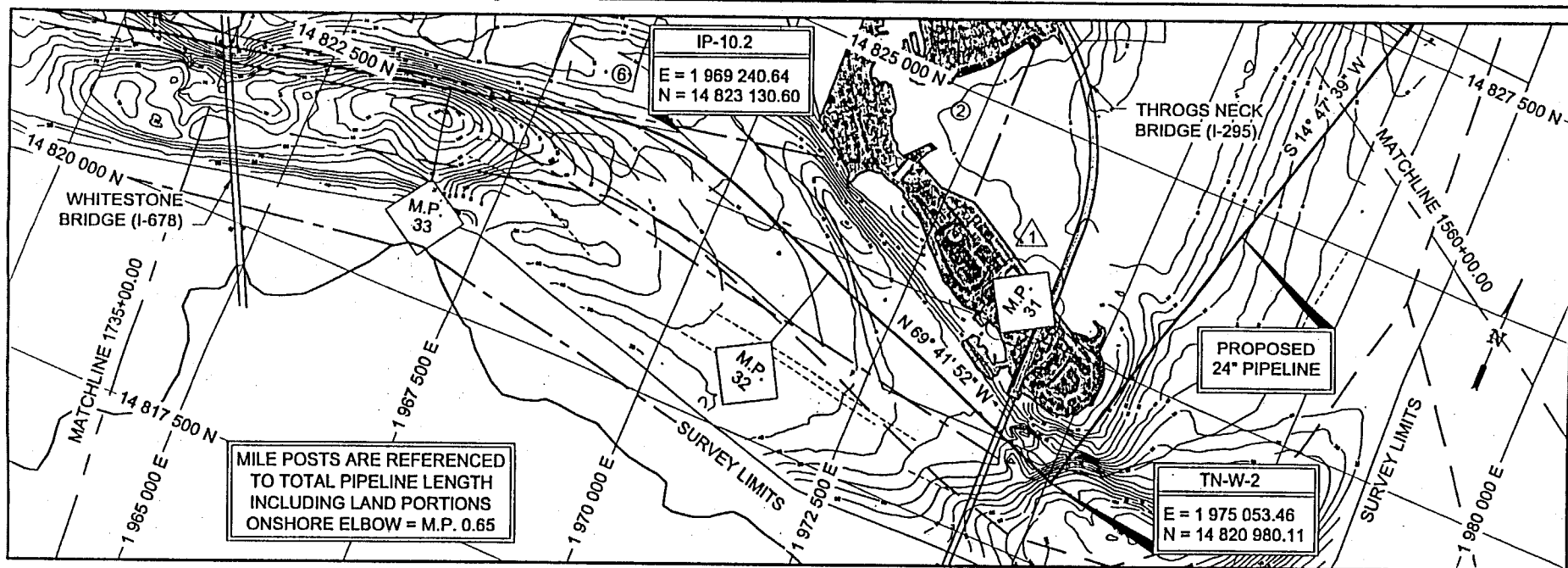


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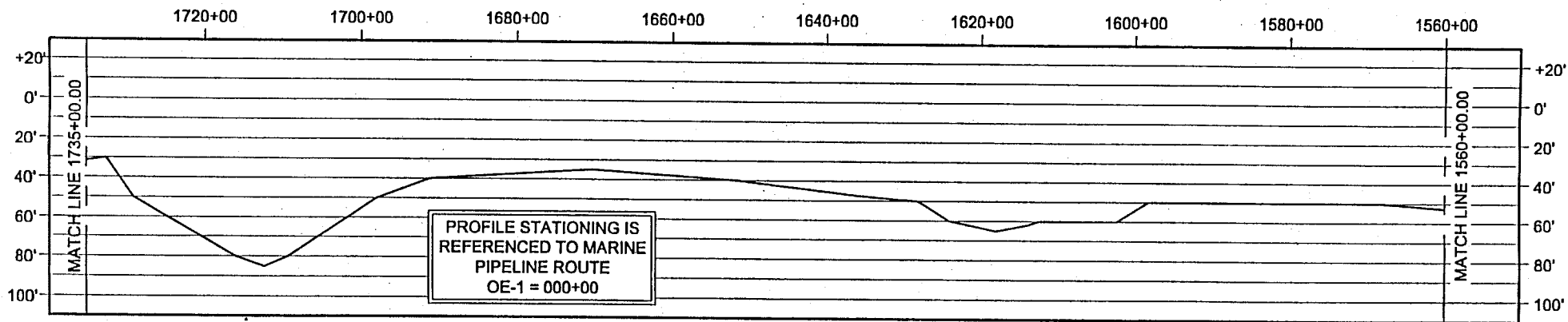


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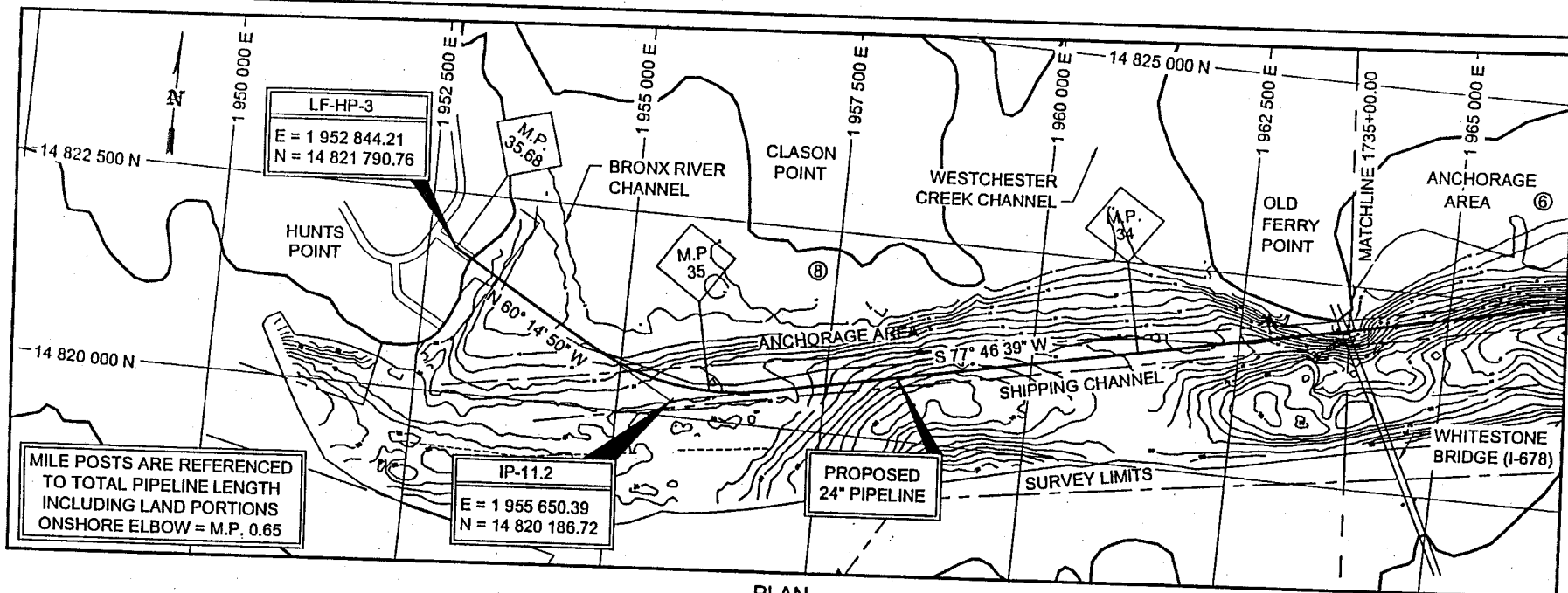
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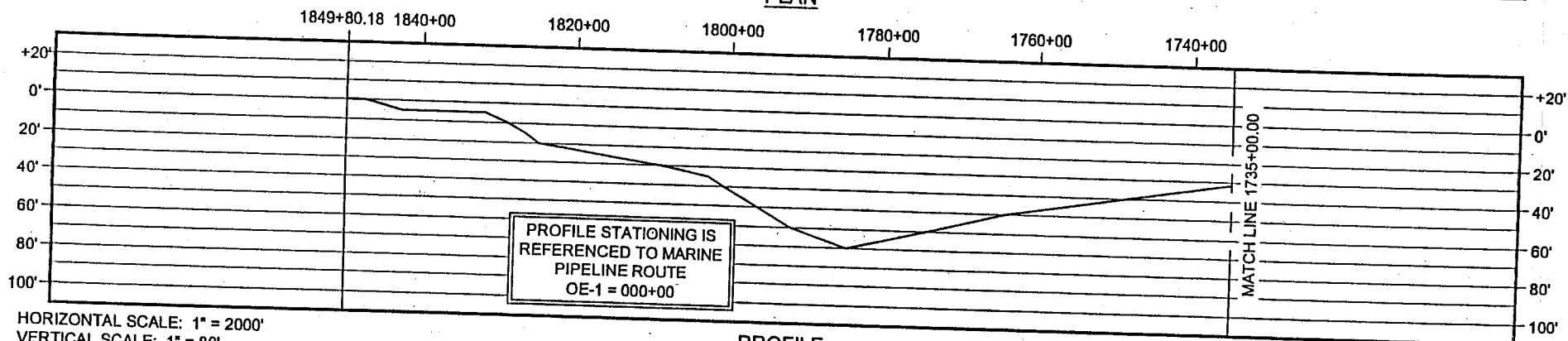
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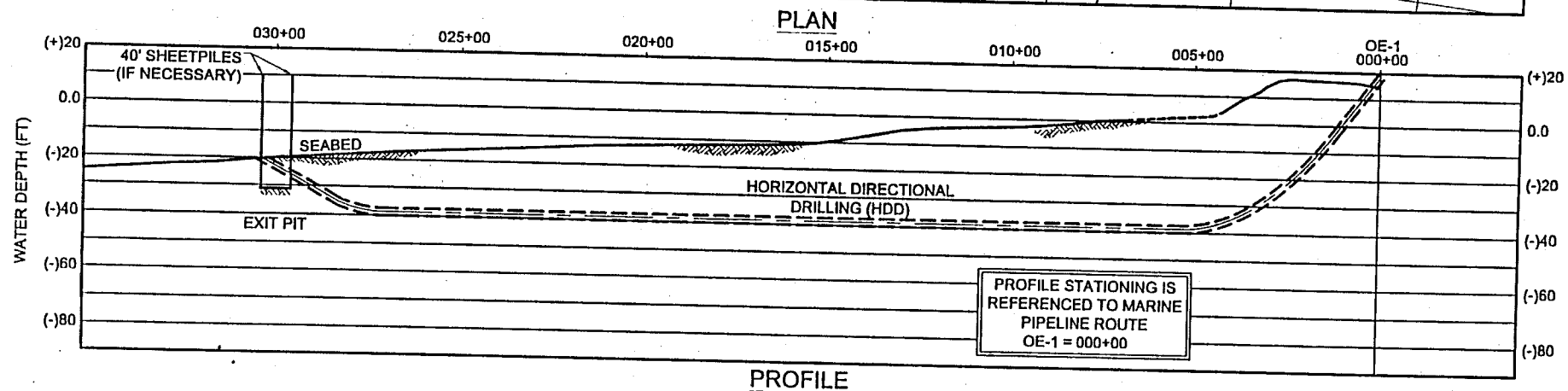
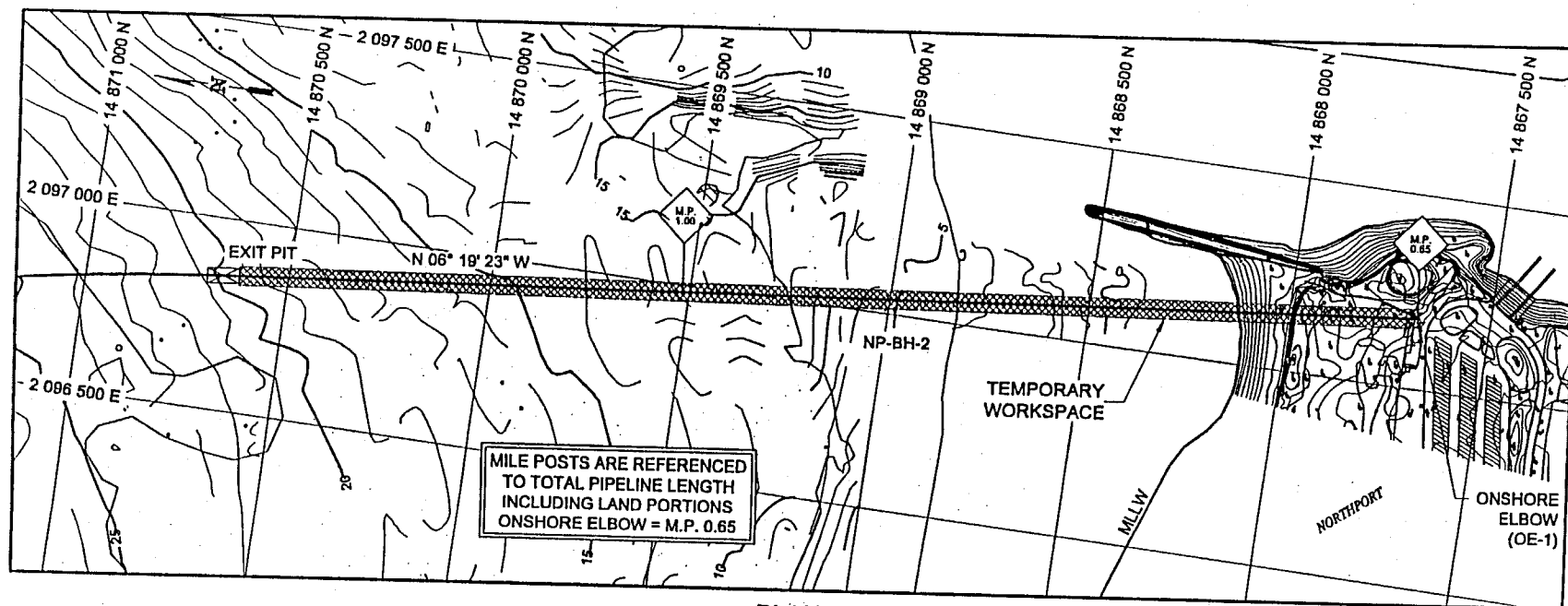
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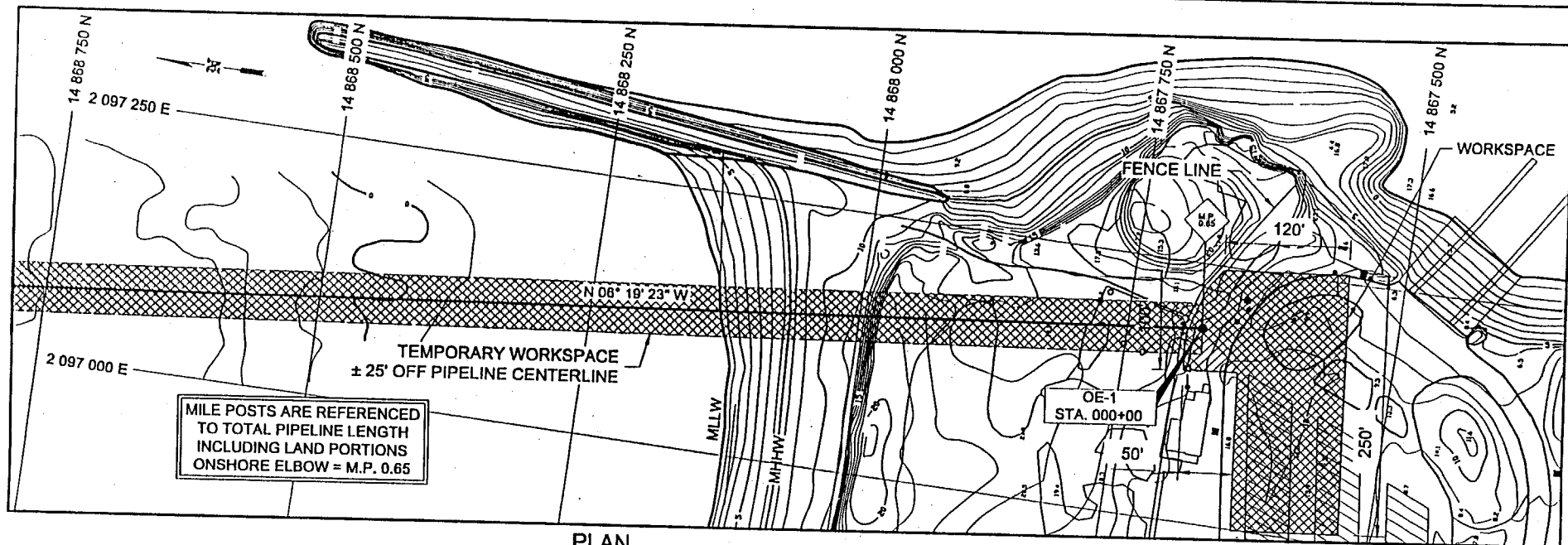
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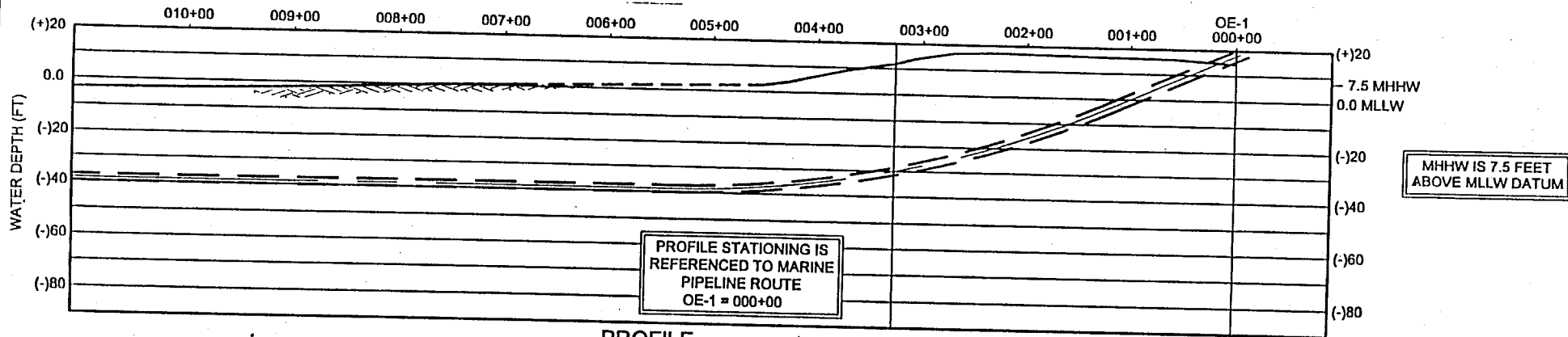
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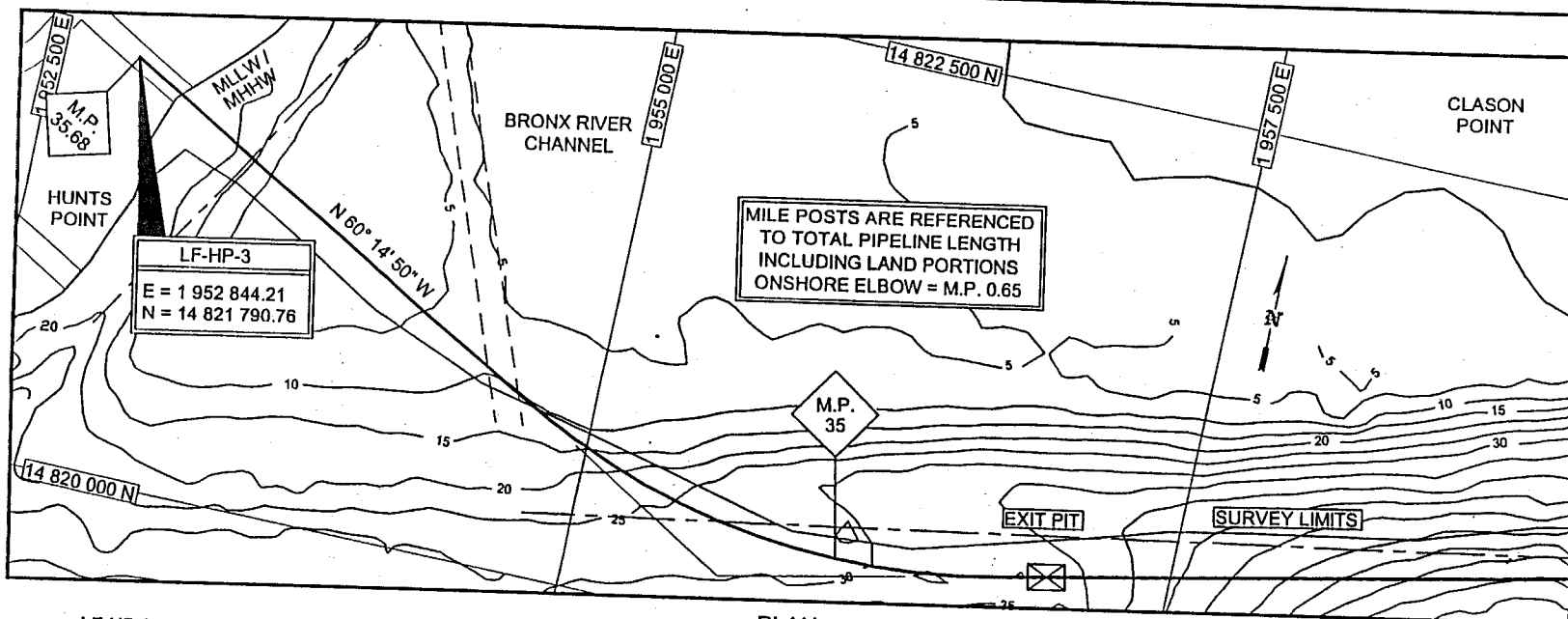



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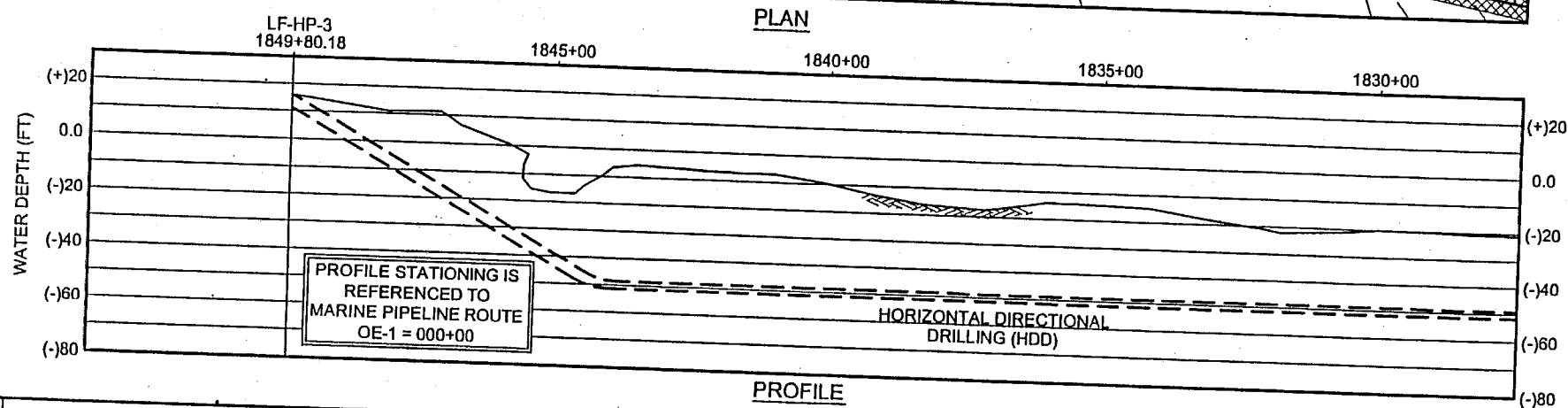
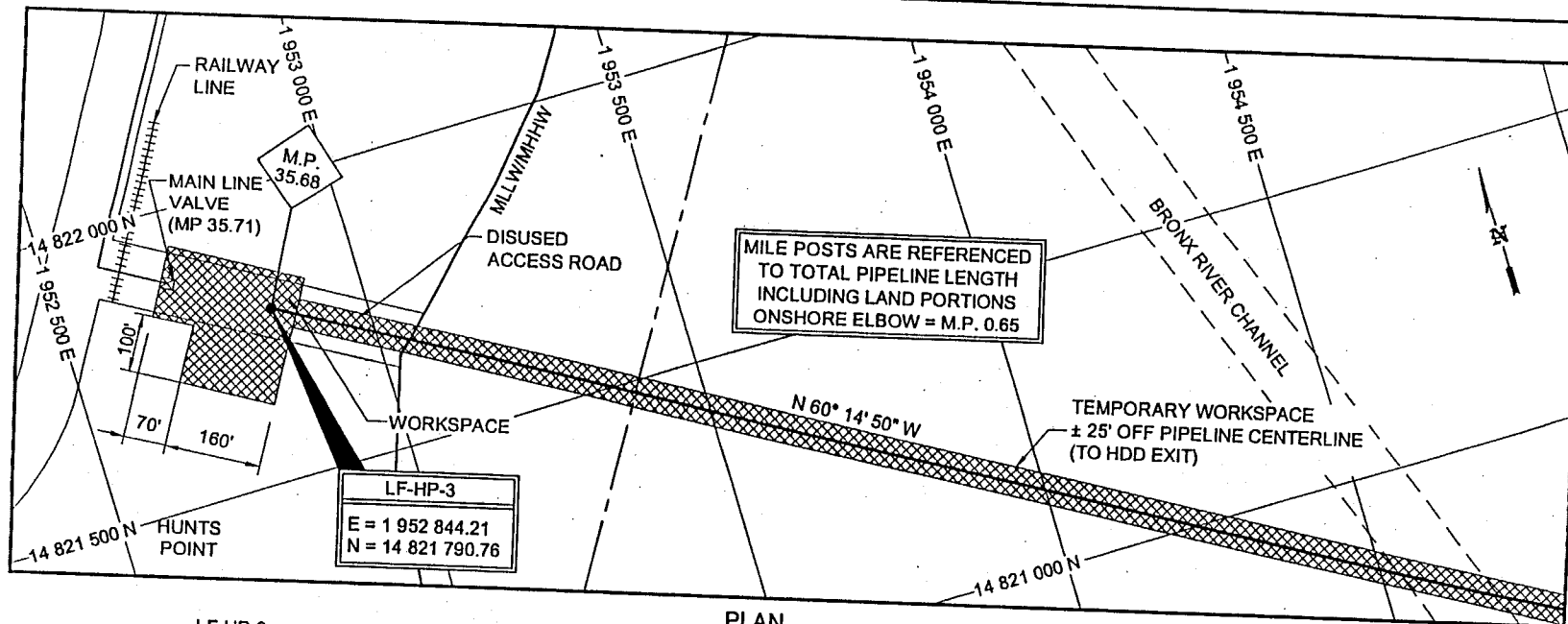


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REV	DESCRIPTION	DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL	IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT											
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1	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-14-02	TC	IS	IS							PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND HUNTS POINT NEARSHORE OVERVIEW COE 15 OF 33						
2	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-24-02	KGC	IS	IS							H-1183.04 - 100.1 - DRW - 12 - 015 - 3						
3	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-29-02	TC				BY	DRAWN	CHECKED	ENGINEER	CLIENT	PROJECT NUMBER	CTR	TYPE	GROUP	NUMBER	RE	
							FKV	JN	IS									
							DATE	2-12-01	2-13-01	10-28-01								
							SCALE	1:750	PRINTED JAN 29, 2002 11:12 AM TC									



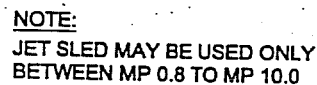
REV	DESCRIPTION	DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL	IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT				<b>INTEC ENGINEERING</b> PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND HUNTS POINT LANDFALL DETAILED VIEW COE 11 OF 33				
0	ISSUED FOR USE						BY	DATE	SCALE						
1	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	10-23-01	TC	IS	IS		FVK	2-12-01	1:300	JN	IS				
2	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-14-02	TC	IS	IS			2-13-01							
3	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-22-02	TC	IS	IS			10-26-01							
		1-29-02	TC												
											H-1183.04 - 100.1 - DRW - 12 - 016 - 3 PROJECT NUMBER CTR TYPE GROUP NUMBER REV				

IROQUOIS GAS TRANSMISSION SYSTEM  
EASTCHESTER EXTENSION PROJECT

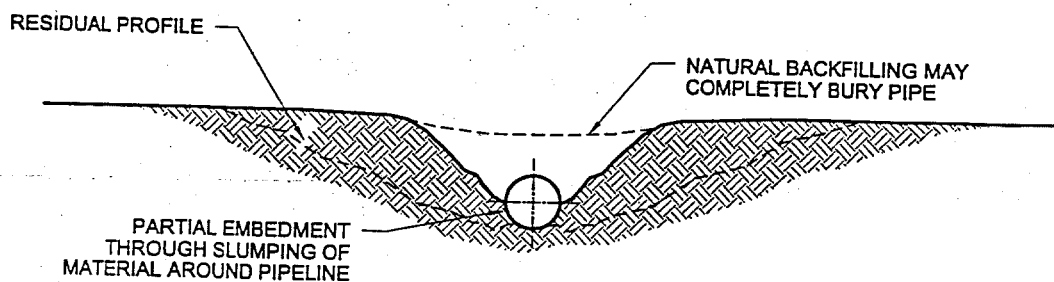
**INTEC ENGINEERING**

PROPOSED EASTCHESTER EXTENSION PROJECT  
LONG ISLAND SOUND  
HUNTS POINT LANDFALL DETAILED VIEW  
COE 11 OF 33



H-1183.04 - 100.1 - DRW - 12 - 016 - 3  
PROJECT NUMBER CTR TYPE GROUP NUMBER REV

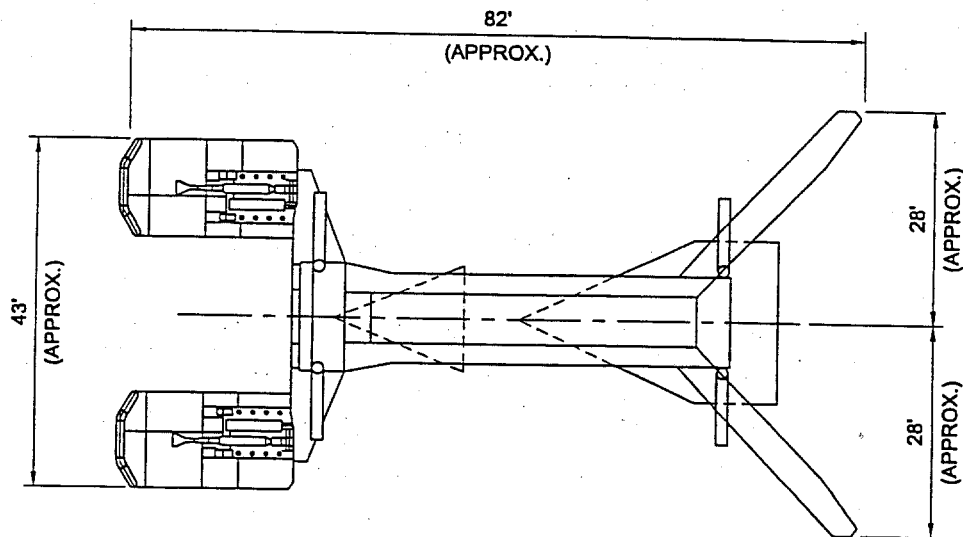


### DETAIL OF JET SLED

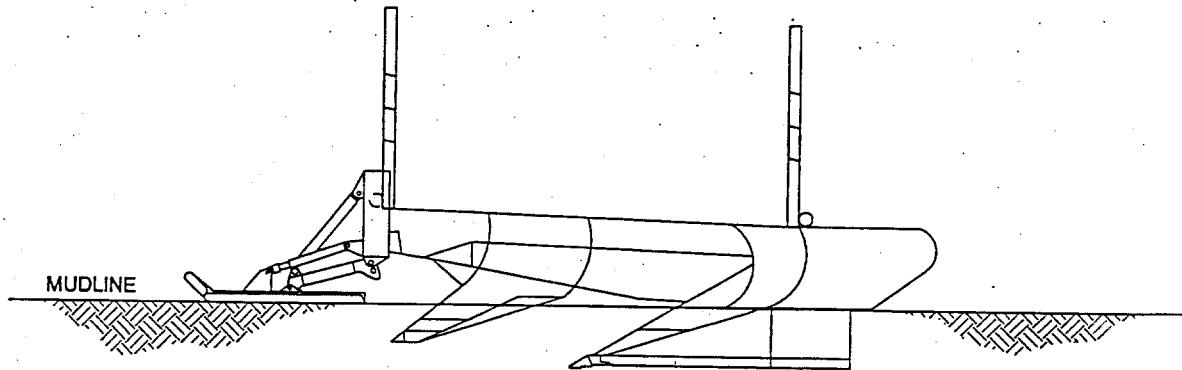


### CROSS SECTION AFTER JETTING OPERATION


DRAWN		CHECKED	ENGINEER	CLIENT	IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT					 PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND TYPICAL TRENCHING FOR JET SLED COE 17 OF 33				
BY	FKV	JN	TJA											
DATE	2-12-01	2-13-01	3-13-01											
SCALE	N.T.S.	PRINTED JAN 21, 2002 5:55 PM TC												
REV	DESCRIPTION				DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL	H-1183.04 - 100.1 - DRW - 12 - 018 - 2 PROJECT NUMBER    CTR    TYPE    GROUP    NUMBER    REV				
0	ISSUED FOR USE				10-11-01	LP	IS	IS						
1	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002				1-14-02	TC	IS	IS						
2	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002				1-22-02	TC								

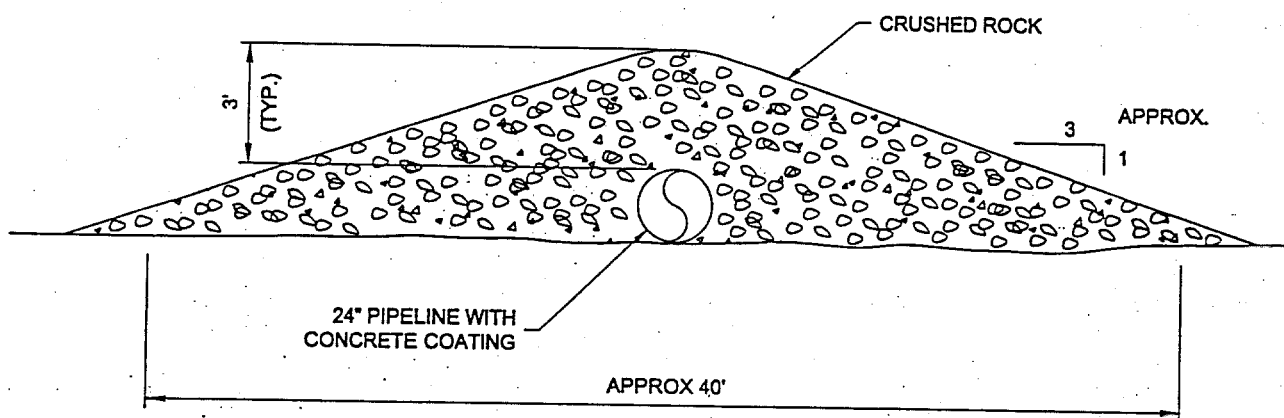


PLAN VIEW



ELEVATION VIEW

	DRAWN	CHECKED	ENGINEER	CLIENT	IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT	<b>INTEC ENGINEERING</b>					
BY	TC					PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND TYPICAL FLOW COE 18 OF 33					
DATE	1-14-02										
SCALE	NONE	PRINTED JAN 24, 2002 2:08 PM KGC									
REV	DESCRIPTION				DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL		
A	ISSUED FOR INTERNAL REVIEW				1-14-02	TC					
B	ISSUED FOR CLIENT REVIEW				1-17-02	TC					
C	RE-ISSUED FOR CLIENT REVIEW				1-22-02	TC					
						H-1183.04 - 100.1 - DRW - 12 - 027 - C					
						PROJECT NUMBER	CTR	TYPE	GROUP	NUMBER	REV

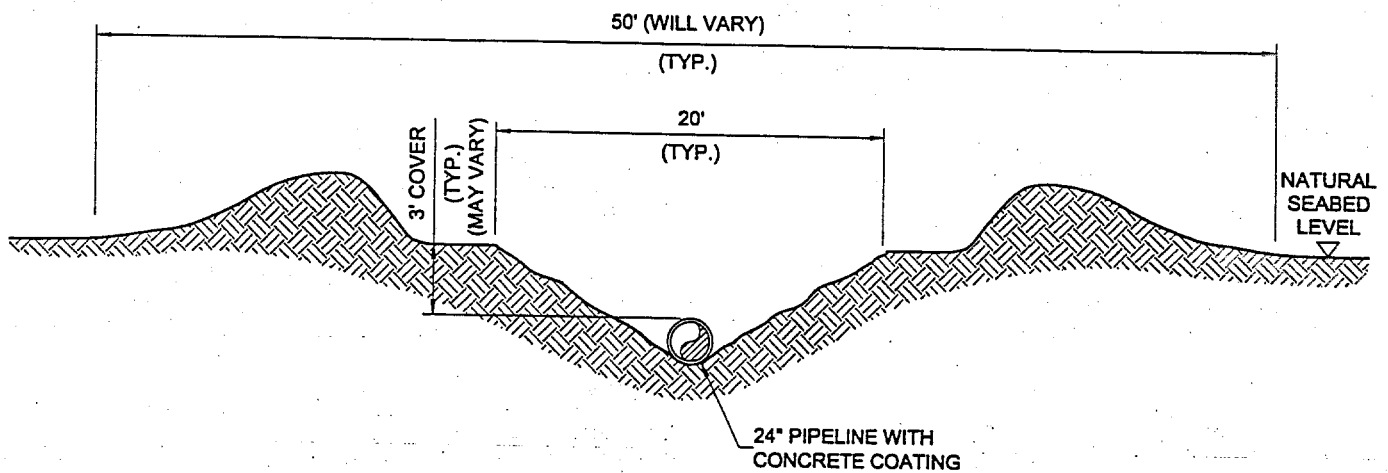


# 1 - ROCK BACKFILL - NO TRENCH

## NOTE:

THIS CROSS SECTION IS ANTICIPATED FOR LIMITED USE AND ONLY WHERE OTHER METHODS (PLOWING, MECHANICAL DREDGING OR JETTING) ARE NOT SUCCESSFUL OR CANNOT BE USED TO LOWER OR TRENCH THE PIPELINE. WHERE BURIAL METHODS ARE PARTIALLY SUCCESSFUL, THE VOLUME OF ROCK WILL BE REDUCED.

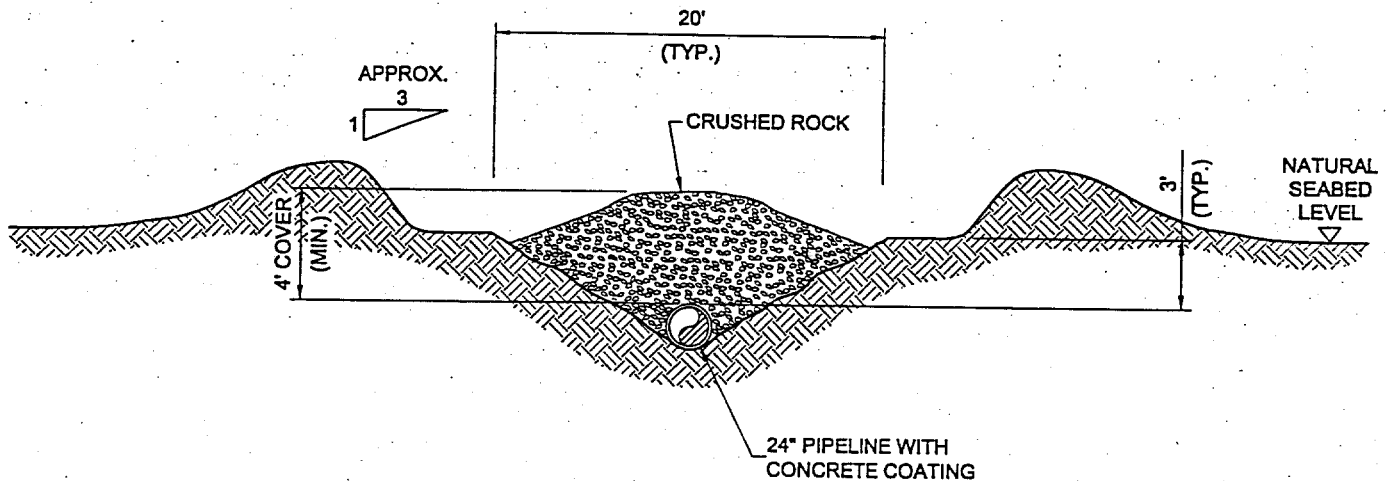
	DRAWN	CHECKED	ENGINEER	CLIENT	IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT						<b>INTEC</b> ENGINEERING					
BY	LVE	JN	VD								PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND TYPICAL TRENCHING CONFIGURATION COE 19 OF 33					
DATE	2-13-01	2-14-01	3-15-01													
SCALE	N.T.S.	PRINTED JAN 24, 2002 10:35 AM TC														
REV	DESCRIPTION				DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL	H-1183.04 - 100.1 - DRW - 12 - 019 - 2 PROJECT NUMBER CTR TYPE GROUP NUMBER REV						
0	ISSUED FOR USE				10-11-01	LP	IS	IS								
1	ISSUED FOR COE APPLICATION, JANUARY 2002				1-14-02	TC	IS	IS								
2	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002				1-22-02	TC	IS	IS								



## 2. PLOWED TRENCH - LONG ISLAND SOUND NO MECHANICAL BACKFILL

### NOTE:

THIS CROSS SECTION IS ANTICIPATED FOR USE BETWEEN MP 5.5 TO MP 25.0.



## 3. PLOWED TRENCH - LONG ISLAND SOUND ROCK BACKFILL

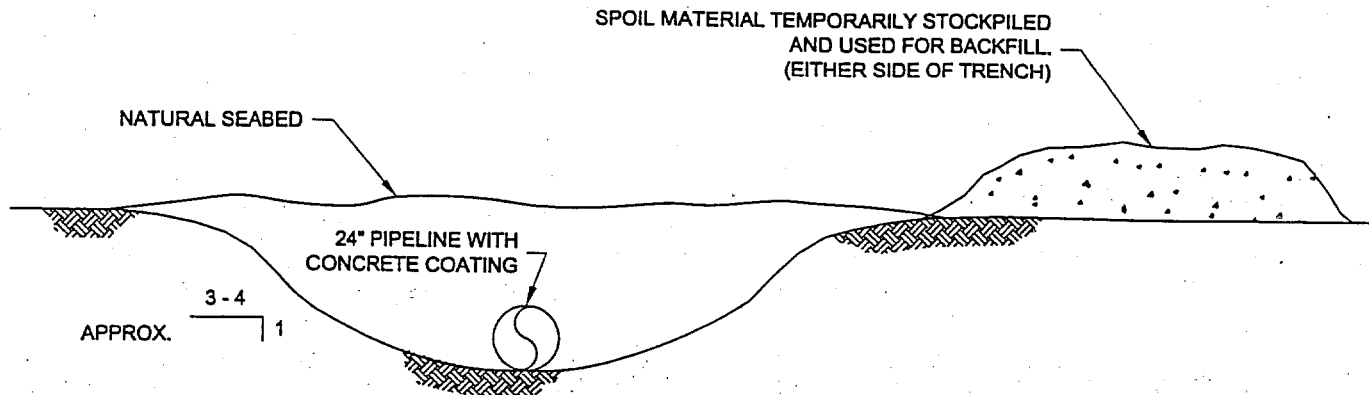
### NOTE:

THIS CROSS SECTION IS ANTICIPATED FOR USE BETWEEN MP 25 TO MP 31.0.

REV	DESCRIPTION	DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL
A	ISSUED FOR INTERNAL REVIEW	1-14-02	TC			
B	ISSUED FOR CLIENT REVIEW	1-17-02	TC			
C	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-22-02	TC			

DRAWN	CHECKED	ENGINEER	CLIENT
BY TC			
DATE 1-14-02			
SCALE NONE	PRINTED JAN 24, 2002 10:57 AM TC		

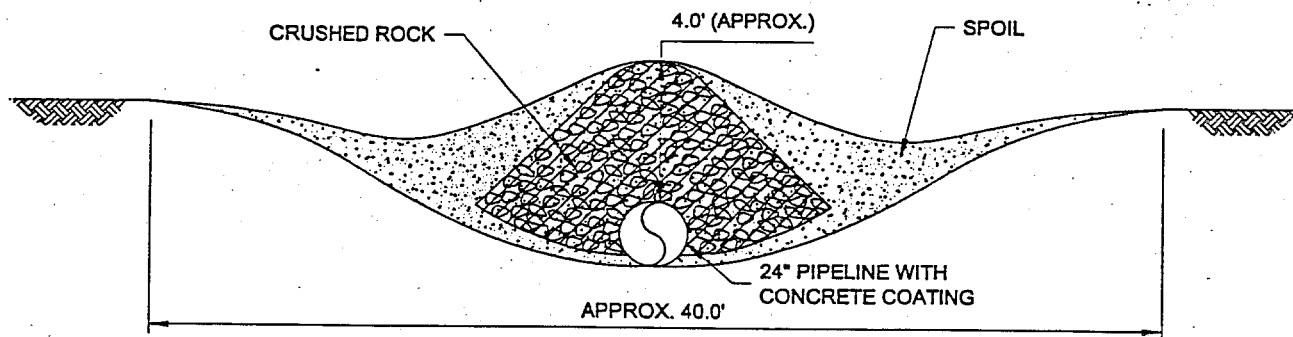
IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT		<b>INTEC ENGINEERING</b>	
		PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND TYPICAL TRENCHING CONFIGURATION COE 20 OF 33	
		H-1183.04 - 100.1 - DRW - 12 - 028 - C	
		PROJECT NUMBER CTR TYPE GROUP NUMBER REV	



#### 4. DREDGED TRENCH

##### NOTE:

THIS CROSS SECTION IS ANTICIPATED FOR USE BETWEEN APPROX. MP 1.2 TO MP 1.3, MP 2.9 TO MP 3.3, MP 31.2 TO 31.3, AND MP 33.2 TO MP 33.6. OTHER USE WILL BE LIMITED.



#### 5. ROCK BACKFILL IN JETTED TRENCH

##### NOTE:

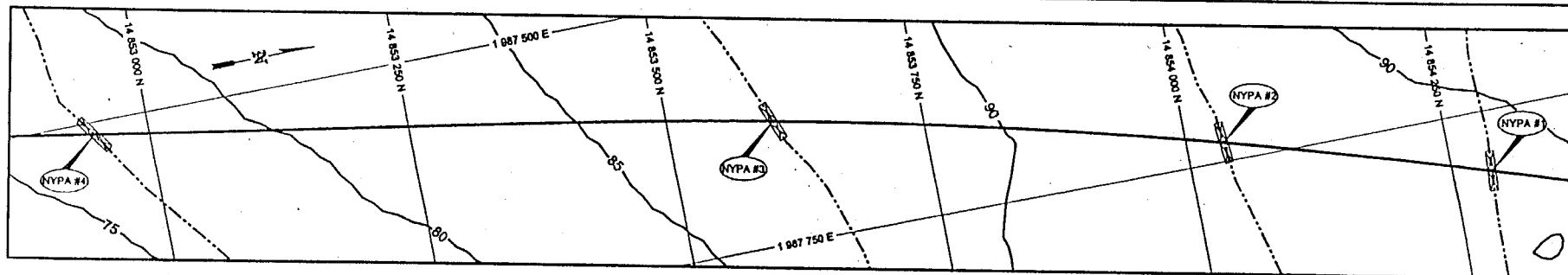
THIS CROSS SECTION IS ANTICIPATED FOR USE BETWEEN APPROX. MP 3 AND MP 5. OTHER USE WILL BE LIMITED.

REV	DESCRIPTION	DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL
0	ISSUED FOR USE	10-11-01	LP	IS	IS	
1	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-14-02	TC	IS	IS	
2	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-22-02	TC			

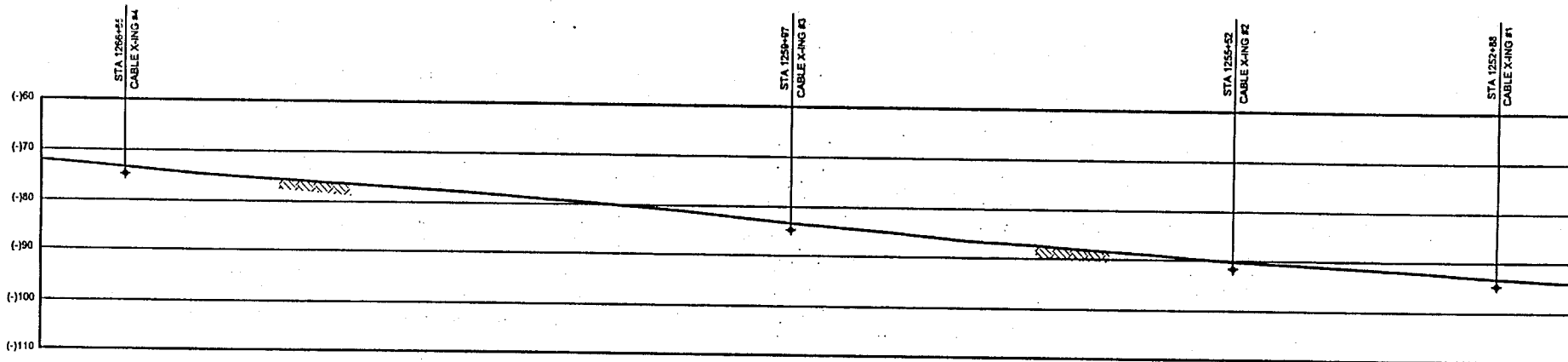
DRAWN	CHECKED	ENGINEER	CLIENT
FVK	JN	VD	
DATE	2-13-01	2-14-01	3-15-01
SCALE	N.T.S.	PRINTED JAN 24, 2002 10:50 AM TC	

IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT		<b>INTEC ENGINEERING</b>	
		PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND TYPICAL TRENCHING CONFIGURATIONS COE 31 OF 33	
		H-1183.04 - 100.1 - DRW - 12 - 020 - 2	
		PROJECT NUMBER CTR TYPE GROUP NUMBER REV	





PLAN VIEW



PROFILE


COORDINATES (NOTE 1)

PTS.	EASTING	NORTHING	STATION	MP (APPROX.)	DESCRIPTION
#1	1 988 058.99	14 854 288.58	1252+88	24.3	NYPA CABLE #1
#2	1 987 981.71	14 854 038.53	1255+52	24.3	NYPA CABLE #2
#3	1 987 878.56	14 853 803.81	1258+97	24.4	NYPA CABLE #3
#4	1 987 781.47	14 852 848.82	1268+85	24.6	NYPA CABLE #4
-	1 987 127.42	14 848 903.78	1307+58	25.3	CON-ED CABLE IN PIPE

PROFILE STATIONING IS  
REFERENCED TO MARINE  
PIPELINE ROUTE  
OE-1 = 000+00

MILE POSTS ARE REFERENCED  
TO TOTAL PIPELINE LENGTH  
INCLUDING LAND PORTIONS  
ONSHORE ELBOW = M.P. 0.65

LEGEND / NOTES

- CABLE  
 SEPARATION MATERIAL BETWEEN  
EXISTING CABLE AND PIPE  
 NOTE 1: NYPA CABLES AND CON-ED PIPELINES ARE ESTIMATED  
BURIED 8 FT. AND 6 FT. RESPECTIVELY. CROSSING  
COORDINATES AND EXISTING CABLE / PIPELINE BURIAL  
DEPTH TO BE CONFIRMED BY INSTALLATION CONTRA-  
CTOR.

GEODETIC INFORMATION

PROJECTION:	UTM	DATUM:	NAD 1983
ZONE:	18N	CENTRAL MERIDIAN:	75° W
SPHEROID:	GRS 1980	GRID UNITS:	US SURVEY FEET



**INTEC** ENGINEERING

PROPOSED EASTCHESTER EXTENSION PROJECT  
LONG ISLAND SOUND  
OVERVIEW OF NYPA CABLE CROSSINGS  
COE 22 OF

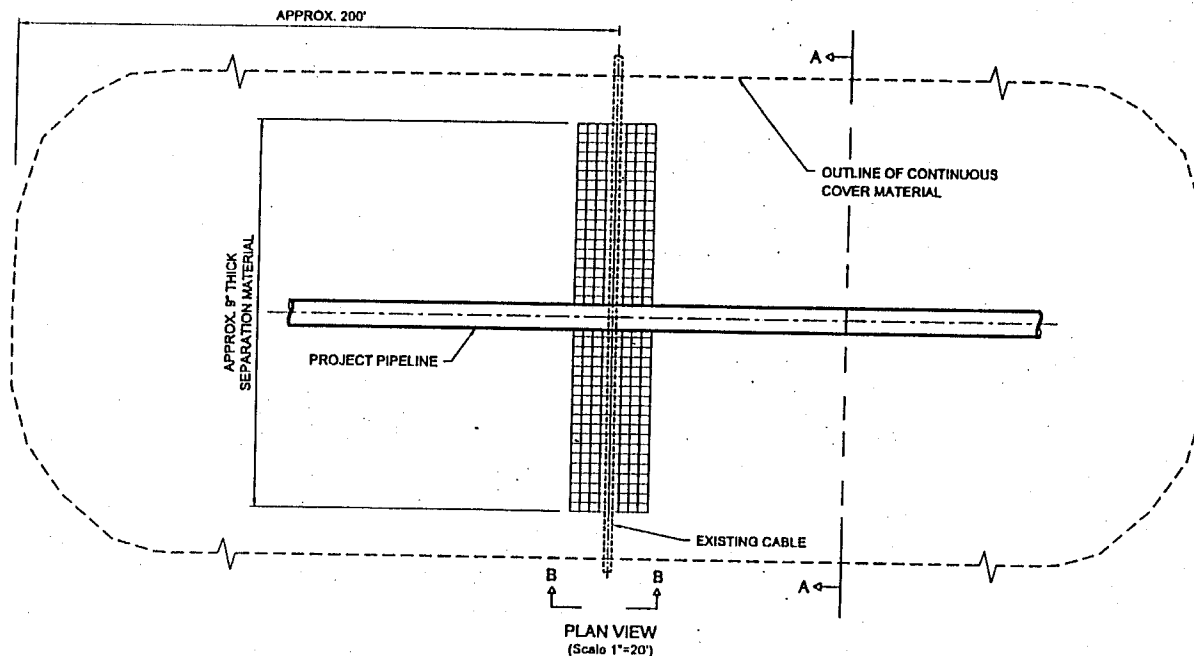
H-1183.04 - 100.1 - DRW - 12 - 021 - 2  
PROJECT NUMBER CTR TYPE GROUP NUMBER REV

REV	DESCRIPTION	DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL
0	ISSUED FOR USE	10-11-01	LP	IS	IS	
1	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-14-02	TC	IS	IS	
2	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-22-02	TC	IS	IS	

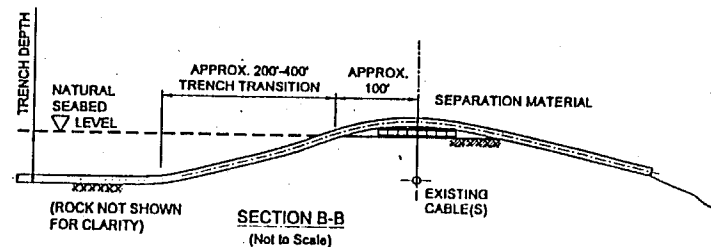
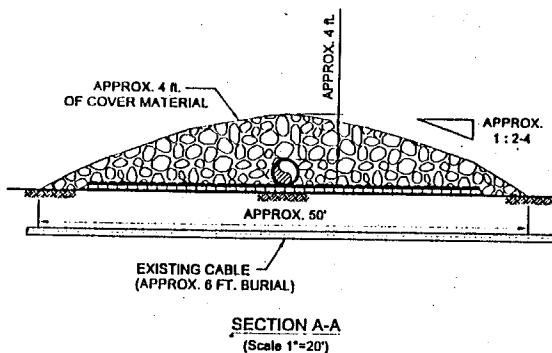
IROQUOIS GAS TRANSMISSION SYSTEM  
EASTCHESTER EXTENSION PROJECT

BY	LVE	CHECKED	JN	ENGINEER	TJA	CLIENT
DATE	2-12-01	2-13-01	3-13-01			
SCALE	1"=50'	PRINTED JAN 22, 2002 9:31 AM TC				

22 of 35



STATIONING IS  
REFERENCED TO MARINE  
PIPELINE ROUTE  
OE-1 = 000+00



#### COORDINATES

PTS.	EASTING	NORTHING	STATION	DESCRIPTION
#1	1 988 058.99	14 854 288.56	1252+88	NYP&A CABLE #1
#2	1 987 981.71	14 854 038.53	1255+52	NYP&A CABLE #2
#3	1 987 878.56	14 853 603.91	1259+97	NYP&A CABLE #3
#4	1 987 761.47	14 852 948.52	1266+65	NYP&A CABLE #4
-	1 987 127.42	14 484 903.78	1307+58	CON-ED CABLE IN PIPE

#### LEGEND / NOTES

1. NYP&A CABLES AND CON-ED PIPELINES ARE ESTIMATED BURIED 8 FT. AND 6 FT. RESPECTIVELY. CROSSING COORDINATES AND EXISTING CABLE / PIPELINE BURIAL DEPTH TO BE CONFIRMED BY INSTALLATION CONTRACTOR.
2. DUE TO SOFT BOTTOM CONDITIONS THIS DOES NOT APPLY TO NYP&A CABLES. IT DOES APPLY TO THE CON-ED CABLE IN PIPE CROSSING.

REV	DESCRIPTION	DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL
0	ISSUED FOR USE	10-11-01	LP	IS	IS	
1	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002	1-14-02	TC			

#### IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT

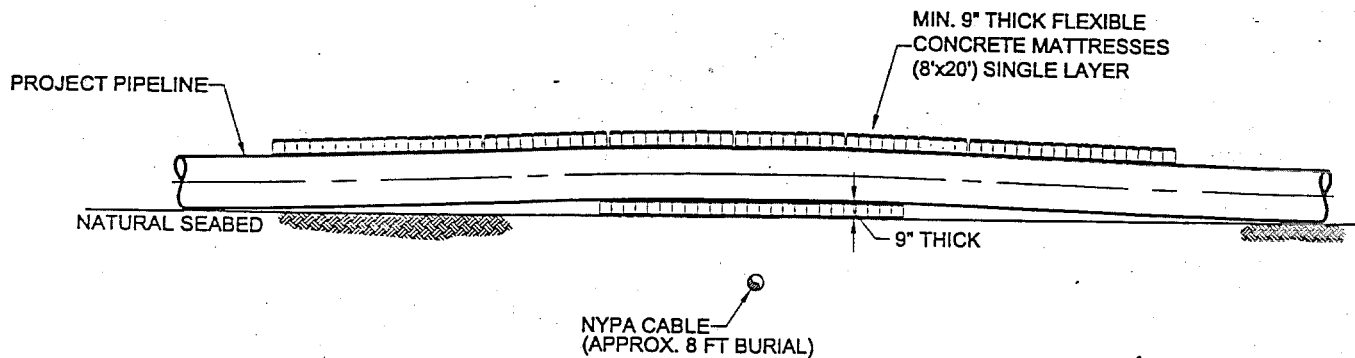
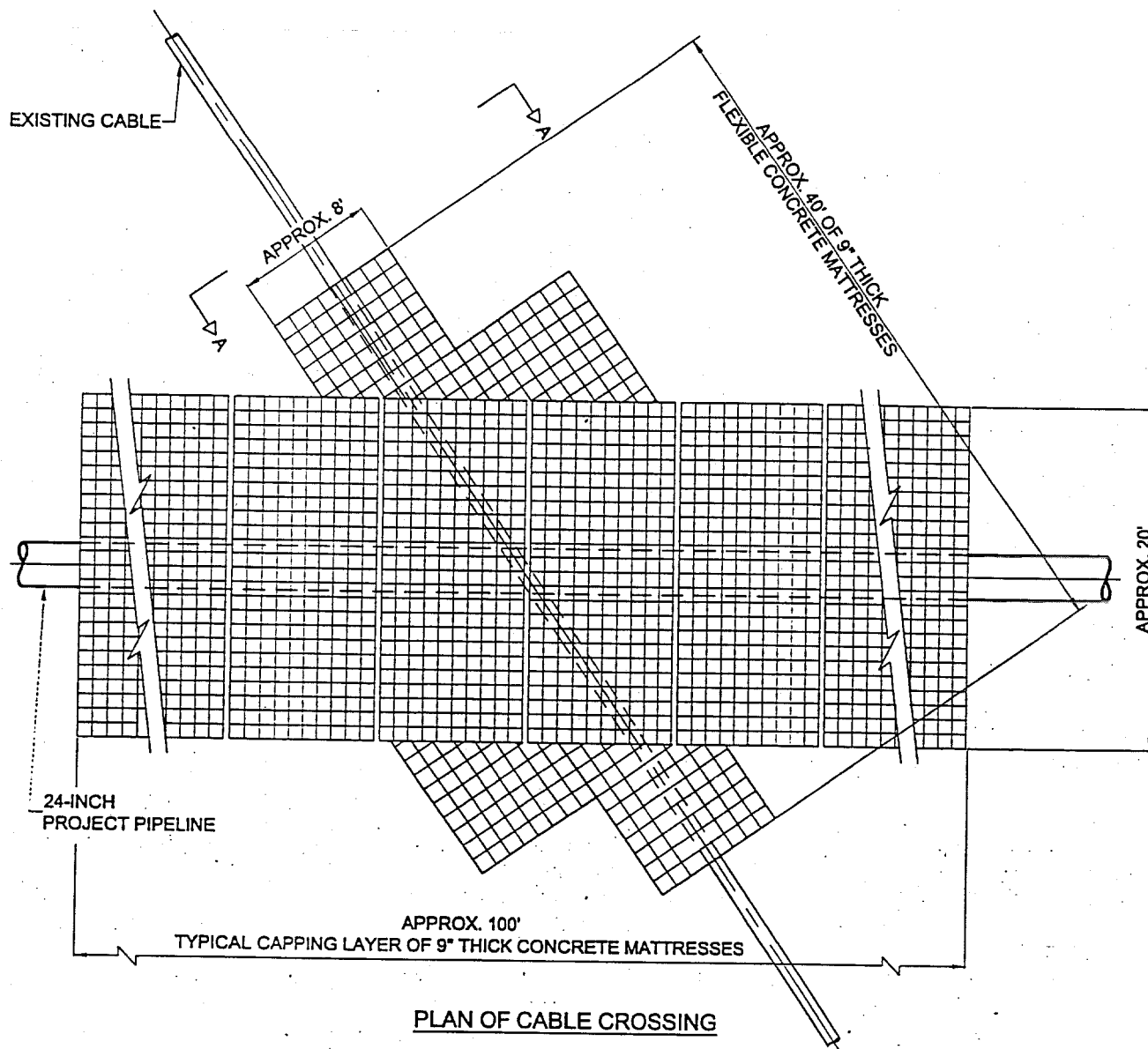
	DRAWN	CHECKED	ENGINEER	CLIENT
BY	FKV	JN	TJA	
DATE	3-05-01	3-8-01	3-13-01	
SCALE	AS SHOWN	PRINTED JAN 15, 2002 10:50 AM TC		

**INTEC** ENGINEERING

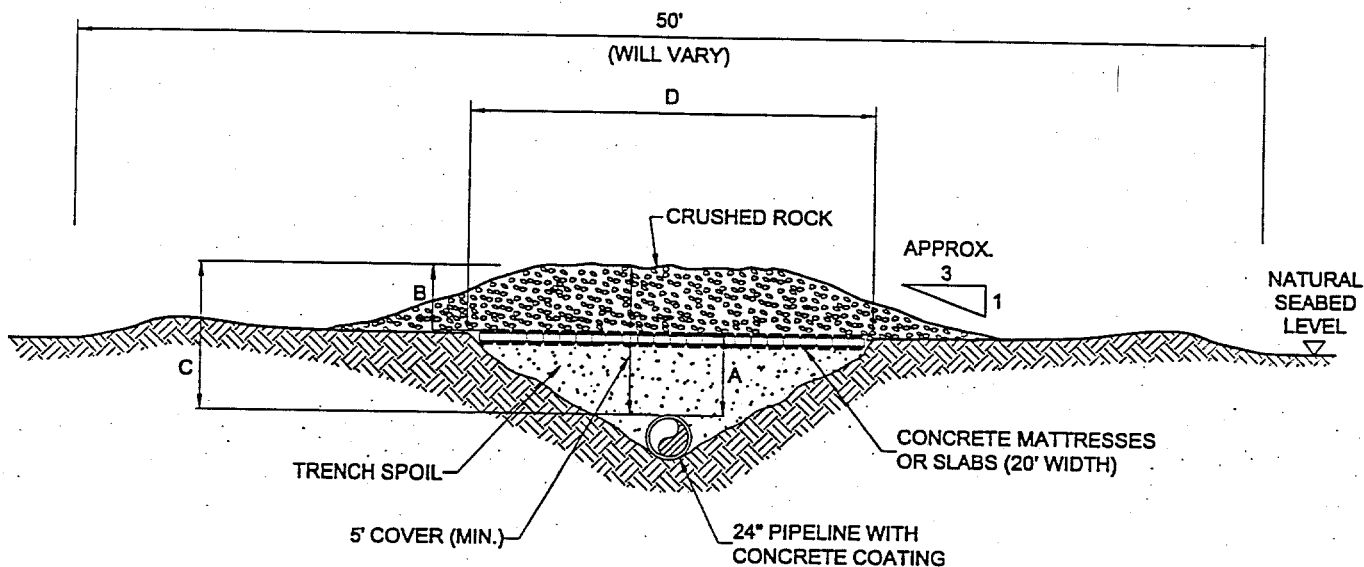
PROPOSED EASTCHESTER EXTENSION PROJECT  
LONG ISLAND SOUND  
TYPICAL CROSSING FOR HARD BOTTOM SEABED  
COE 23 OF

H-1183.04 - 100.1 - DRW - 12 - 022 - 1  
PROJECT NUMBER CTR TYPE GROUP NUMBER REV

23 of 33

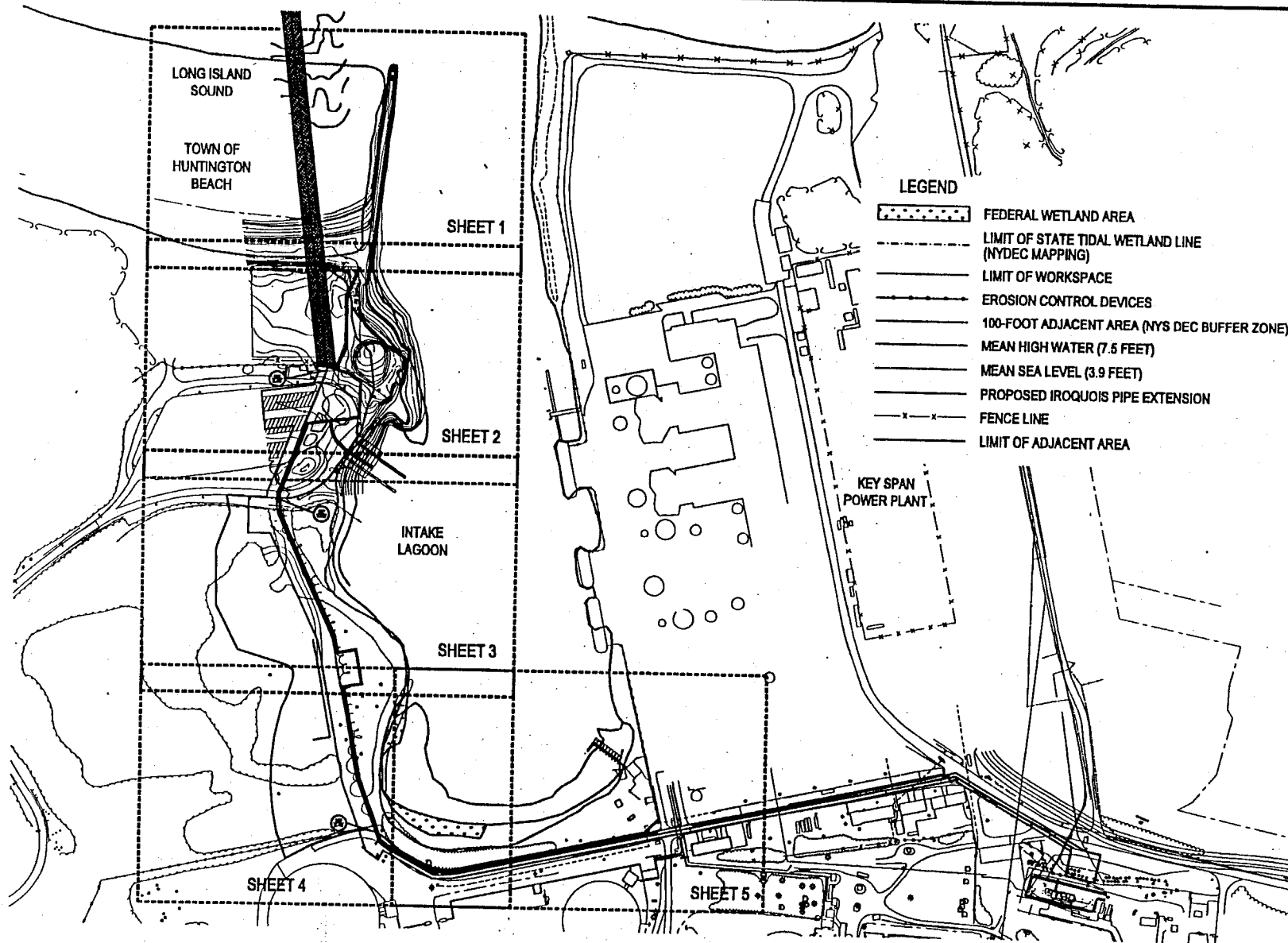


	DRAWN	CHECKED	ENGINEER	CLIENT	IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT							<b>INTEC ENGINEERING</b>									
BY	SWG	KGC										PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND TYPICAL CROSSING AT SEABED SURFACE COE 24 OF 33									
DATE	12-10-01	12-12-01																			
SCALE	N.T.S.	PRINTED JAN 16, 2002 2:50 PM TC																			
REV	DESCRIPTION				DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL	H-1183.04 - 100.1 - DRW - 12 - 025 - 0 PROJECT NUMBER CTR TYPE GROUP NUMBER REV											
0	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002				1-14-02	TC	AB														

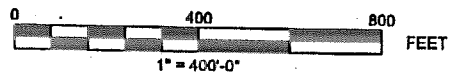


A (ft.)	B (ft.)	C (ft.)	D (ft.)
2	3	5	14
3	3	6	17
4	3	7	20
5	3	8	23

DRAWN	CHECKED	ENGINEER	CLIENT	<b>IROQUOIS GAS TRANSMISSION SYSTEM EASTCHESTER EXTENSION PROJECT</b>	<b>INTEL ENGINEERING</b> <b>PROPOSED EASTCHESTER EXTENSION PROJECT LONG ISLAND SOUND EAST RIVER TRENCHING CONFIGURATION COE 25 OF 33</b>			
BY	SWG	KGC						
DATE	12-10-01	12-12-01						
SCALE	N.T.S.	PRINTED JAN 24, 2002 10:52 AM TC						
REV	DESCRIPTION			DATE OF ISSUE	REV'D BY	CHK'D BY	PROJ MGR	CLIENT APPROVAL
0	ISSUED FOR COE JOINT APPLICATION, JANUARY 2002			1-14-02	TC	IS	IS	
1	RE-ISSUED FOR COE JOINT APPLICATION, JANUARY 2002			1-22-02	TC	IS	IS	
				H-1183.04 - 100.1 - DRW - 12 - 026 - 1 PROJECT NUMBER CTR TYPE GROUP NUMBER REV				



VERTICAL DATUM: GRS-80



**NOTE**

ENSR SURVEYED FEDERAL TIDAL WETLANDS AND THE APPARENT MEAN HIGH WATER LINE IN THE SOUTHERN PORTION OF THE INTAKE LAGOON IN FEBRUARY 2001.

**WETLAND DRAWING  
NORTHPORT POWER STATION  
KEY SHEET**

TOWN OF HUNTINGTON, SUFFOLK COUNTY,

DWG. NO.:  
huntington1

**WD NP-1**

NEW YORK

REVISION  
0






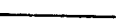





PLT DATE: 14 MARCH 2001

26 of 33

MATCH LINE SHEET 3 OF 5  
MATCH LINE SHEET 4 OF 5

MATCH LINE SHEET 4 OF 5  
MATCH LINE SHEET 5 OF 5

# LEGEND

-  COASTAL SHOALS, BARS, AND FLATS (SM)
-  FEDERAL WETLAND AREA
-  LIMIT OF STATE TIDAL WETLAND LINE (NYDEC MAPPING)
-  LIMIT OF WORKSPACE
-  EROSION CONTROL DEVICES
-  LIMIT OF ADJACENT AREA (NYS DEC BUFFER ZONE)
-  MEAN HIGH WATER (7.5 FEET)
-  MEAN SEA LEVEL (3.9 FEET)
-  PROPOSED IROQUOIS PIPE EXTENSION
-  FENCE LINE
-  EXISTING CONTOUR

INTAKE LAGOON

LITTORAL ZONE

SM TIDAL WETLANDS

WETLAND A

MEAN HIGH WATER  
(7.5 FEET)

PROPOSED IROQUOIS  
PIPE EXTENSION

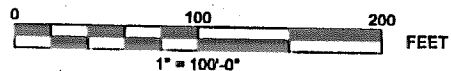
MACADAM ROAD

LIMIT OF  
WORKSPACE

TANK

MACADAM ROAD

BUILDING



## NOTE

ENSR SURVEYED FEDERAL TIDAL WETLANDS AND THE APPARENT MEAN HIGH WATER LINE IN THE SOUTHERN PORTION OF THE INTAKE LAGOON IN FEBRUARY 2001.

## WETLAND DRAWING NORTHPORT POWER STATION SHEET 27 OF 31

TOWN OF HUNTINGTON, SUFFOLK COUNTY,

NEW YORK

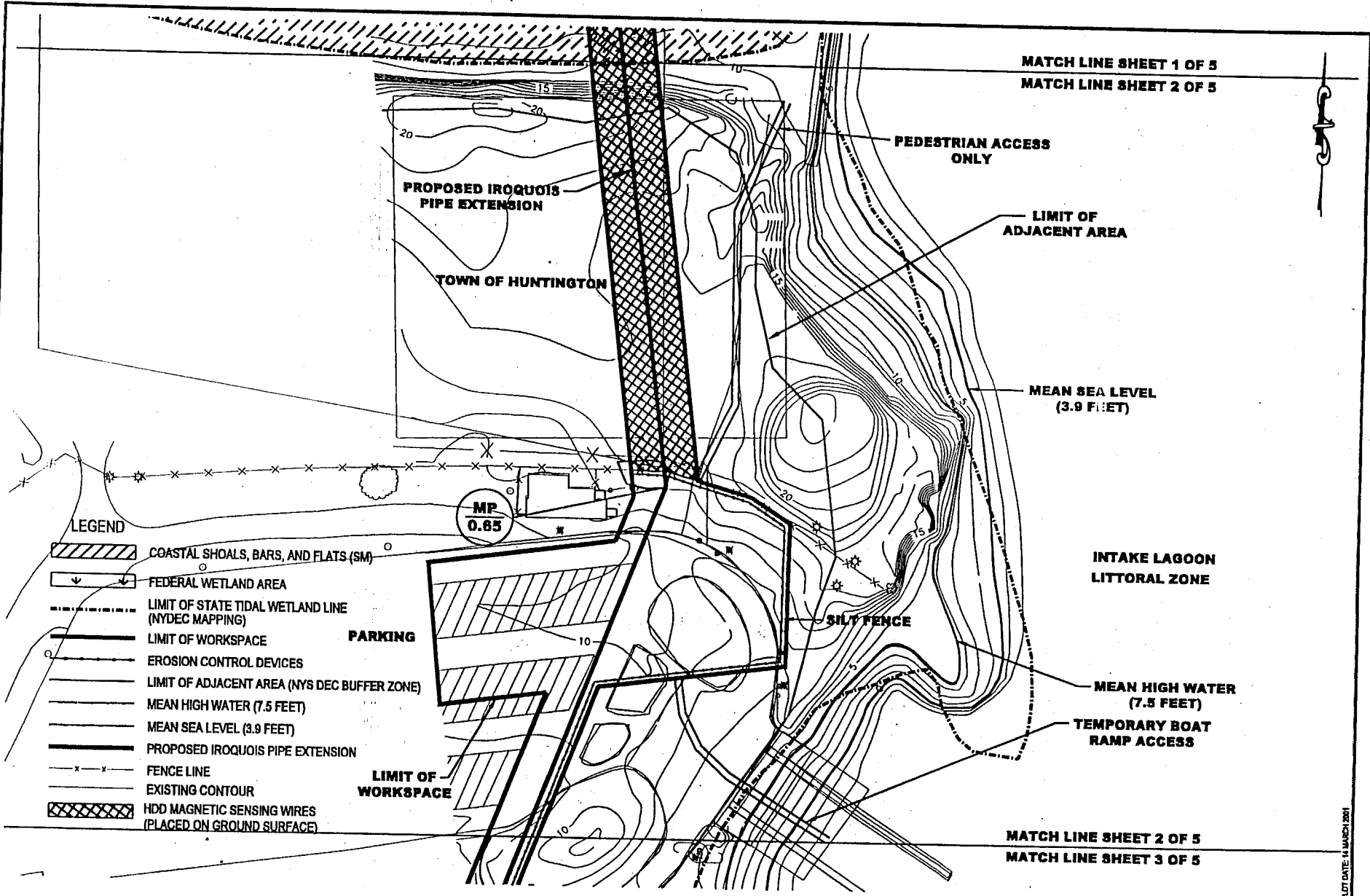
DWG. NO.:  
huntington1

WD NP-6

REVISION  
0

PLOT DATE: 14 FEBRUARY 2001

MATCH LINE SHEET 1 OF 5  
MATCH LINE SHEET 2 OF 5



**LEGEND**

- COASTAL SHOALS, BARS, AND FLATS (SM)
- FEDERAL WETLAND AREA
- LIMIT OF STATE TIDAL WETLAND LINE (NYDEC MAPPING)
- LIMIT OF WORKSPACE
- EROSION CONTROL DEVICES
- LIMIT OF ADJACENT AREA (NYS DEC BUFFER ZONE)
- MEAN HIGH WATER (7.5 FEET)
- MEAN SEA LEVEL (3.9 FEET)
- PROPOSED IROQUOIS PIPE EXTENSION
- FENCE LINE
- EXISTING CONTOUR
- HDD MAGNETIC SENSING WIRES (PLACED ON GROUND SURFACE)

MP  
0.65

VERTICAL DATUM: GRS-80



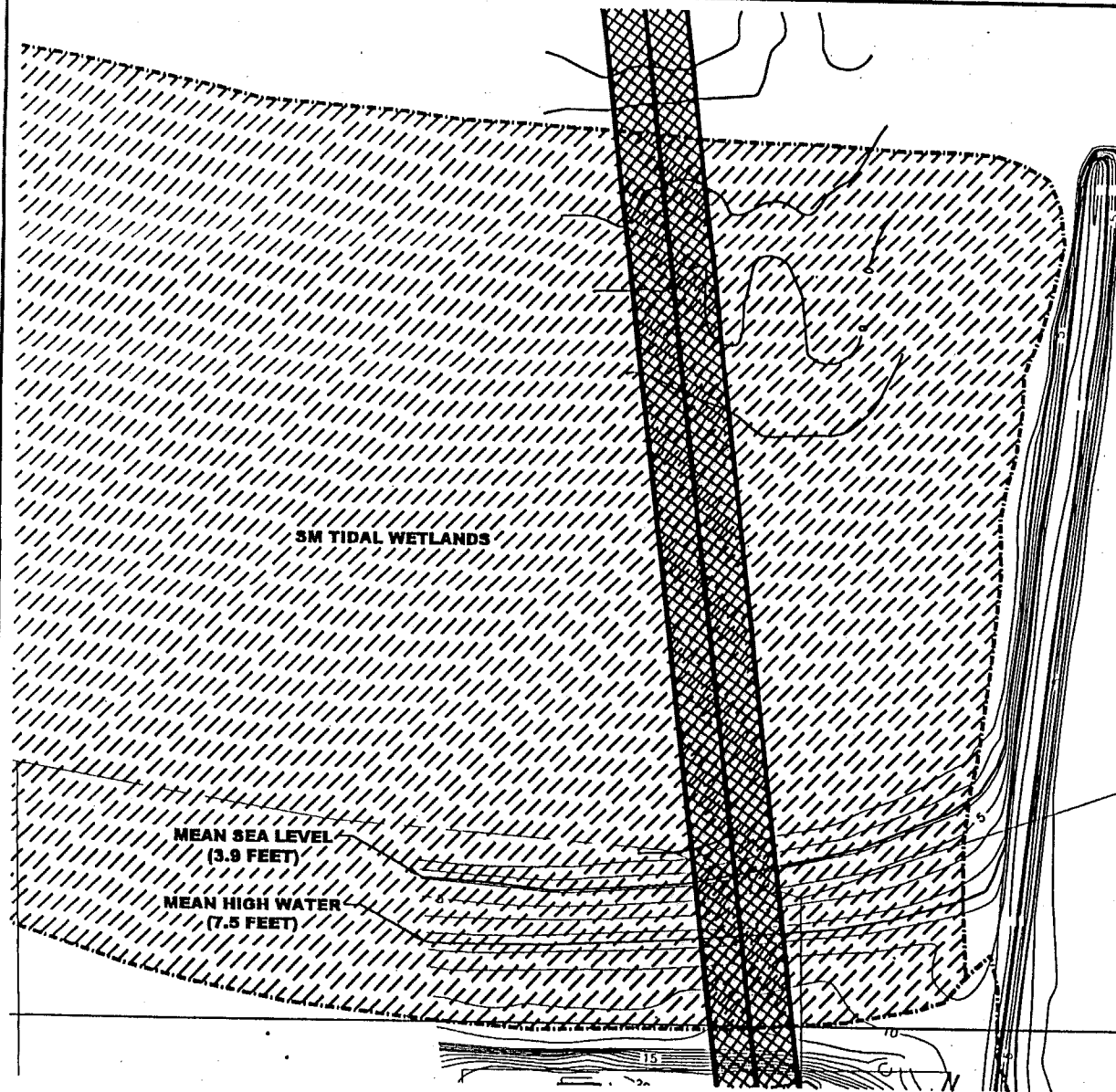
**NOTE**

ENSR SURVEYED FEDERAL TIDAL WETLANDS AND THE APPARENT MEAN HIGH WATER LINE IN THE SOUTHERN PORTION OF THE INTAKE LAGOON IN FEBRUARY 2001.



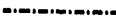





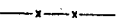
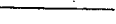


**WETLAND DRAWING  
NORTHPORT POWER STATION  
SHEET 2 OF 3**

TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK	
DWG. NO.: huntington1	REVISION
<b>WD NP-3</b>	<b>0</b>

PLOT DATE: 14 MARCH 2001



# **LEGEND**

-  COASTAL SHOALS, BARS, AND FLATS (SM)
-  FEDERAL WETLAND AREA
-  LIMIT OF STATE TIDAL WETLAND LINE (NYDEC MAPPING)
-  LIMIT OF WORKSPACE
-  EROSION CONTROL DEVICES
-  LIMIT OF ADJACENT AREA (NYS DEC BUFFER ZONE)
-  MEAN HIGH WATER (7.5 FEET)
-  MEAN SEA LEVEL (3.9 FEET)
-  PROPOSED IROQUOIS PIPE EXTENSION
-  FENCE LINE
-  EXISTING CONTOUR
-  HDD MAGNETIC SENSING WIRES (PLACED ON GROUND SURFACE)

**INTAKE LAGOON LITTORAL ZONE**

**MATCH LINE SHEET 1 OF 5**  
**MATCH LINE SHEET 2 OF 5**

## **WETLAND DRAWING** **NORTHPORT POWER STATION** **SHEET 9 OF 35**

TOWN OF HUNTINGTON, SUFFOLK COUNTY, NEW YORK

DWG. NO.: huntington1

**WD NP-2**

REVISION

0

PLOT DATE: 14 MARCH 2001



WORKSPACE

MATCH LINE SHEET 2 OF 5  
MATCH LINE SHEET 3 OF 5


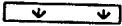









PROPOSED ADDITIONAL  
ACCESS TO SOCCER  
PARKING AREA

MEAN SEA LEVEL  
(3.9 FEET)

MP  
0.58

SILT FENCE

LEGEND

-  COASTAL SHOALS, BARS, AND FLATS (SM)
-  FEDERAL WETLAND AREA
-  LIMIT OF STATE TIDAL WETLAND LINE (NYDEC MAPPING)
-  LIMIT OF WORKSPACE
-  EROSION CONTROL DEVICES
-  LIMIT OF ADJACENT AREA (NYS DEC BUFFER ZONE)
-  MEAN HIGH WATER (7.5 FEET)
-  MEAN SEA LEVEL (3.9 FEET)
-  PROPOSED IROQUOIS PIPE EXTENSION
-  FENCE LINE
-  EXISTING CONTOUR

PROPOSED IROQUOIS  
PIPE EXTENSION

LIMIT OF WORKSPACE

MEAN HIGH  
WATER  
(7.5 FEET)

LIMIT OF  
ADJACENT AREA

INTAKE LAGOON  
LITTORAL ZONE

SOCCER  
FIELD  
BOUNDARY

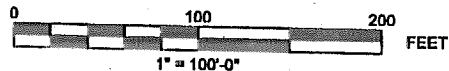
TEMPORARY  
SOIL STORAGE  
AREA

300'

MATCH LINE SHEET 3 OF 5  
MATCH LINE SHEET 4 OF 5

NOTE

ENSR SURVEYED FEDERAL TIDAL WETLANDS AND  
THE APPARENT MEAN HIGH WATER LINE IN THE  
SOUTHERN PORTION OF THE INTAKE LAGOON IN  
FEBRUARY 2001.



WETLAND DRAWING  
NORTHPORT POWER STATION  
SHEET 30 OF 33

TOWN OF HUNTINGTON, SUFFOLK COUNTY,

DWG. NO:  
huntington1

WD NP-4

NEW YORK

REVISION  
0

SHEET 4 OF 5  
SHEET 5 OF 5

PLOT DATE: 14 MARCH 2001

- LEGEND**
- COASTAL SHOALS, BARS, AND FLATS (SM)
  - FEDERAL WETLAND AREA
  - LIMIT OF STATE TIDAL WETLAND LINE (NYDEC MAPPING)
  - LIMIT OF WORKSPACE
  - EROSION CONTROL DEVICES
  - LIMIT OF ADJACENT AREA (NYS DEC BUFFER ZONE)
  - MEAN HIGH WATER (7.5 FEET)
  - MEAN SEA LEVEL (3.9 FEET)
  - PROPOSED IROQUOIS PIPE EXTENSION
  - FENCE LINE
  - EXISTING CONTOUR

SOCCER  
FIELD  
BOUNDARY

WETLAND B  
SILT FENCE

TRAIL

MATCH LINE SHEET 3 OF 5  
MATCH LINE SHEET 4 OF 5

MATCH LINE SHEET 4 OF 5  
MATCH LINE SHEET 5 OF 5

INTAKE LAGOON  
LITTORAL ZONE

LIMIT OF  
ADJACENT  
AREA

MP  
0.40

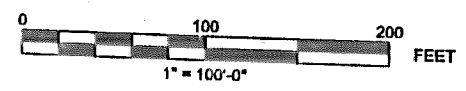
LIMIT OF  
WORKSPACE

WETLAND A  
MEAN HIGH WATER  
(7.5 FEET)

SM TIDAL WETLANDS

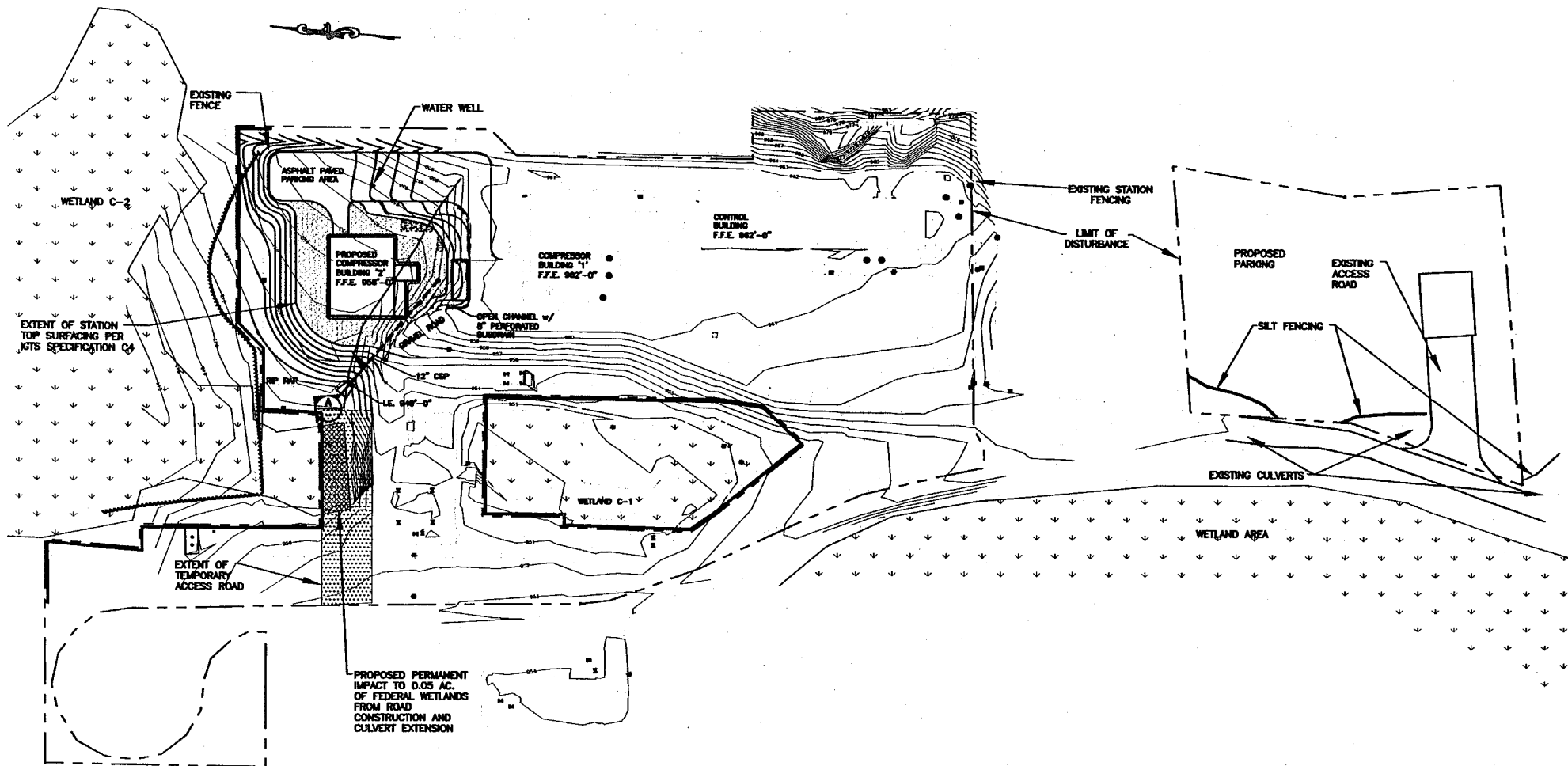
PROPOSED IROQUOIS  
PIPE EXTENSION

**NOTE**  
ENSR SURVEYED FEDERAL TIDAL WETLANDS AND  
THE APPARENT MEAN HIGH WATER LINE IN THE  
SOUTHERN PORTION OF THE INTAKE LAGOON IN  
FEBRUARY 2001.



<b>WETLAND DRAWING</b>		
<b>NORTHPORT POWER STATION</b>		
<b>SHEET 31 OF 33</b>		
TOWN OF HUNTINGTON, SUFFOLK COUNTY,	NEW YORK	
DWG. NO: huntington1	WD NP-5	REVISION 0

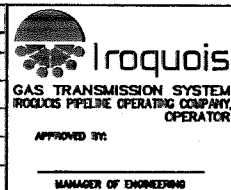
PLOT DATE: 14 FEBRUARY 2001



# LEGEND

	FEDERAL WETLAND AREA
	WETLAND BOUNDARY
	PROPOSED WORK IN WETLAND
	LIMIT OF DISTURBANCE
	EXISTING CONTOUR
	SILT FENCE

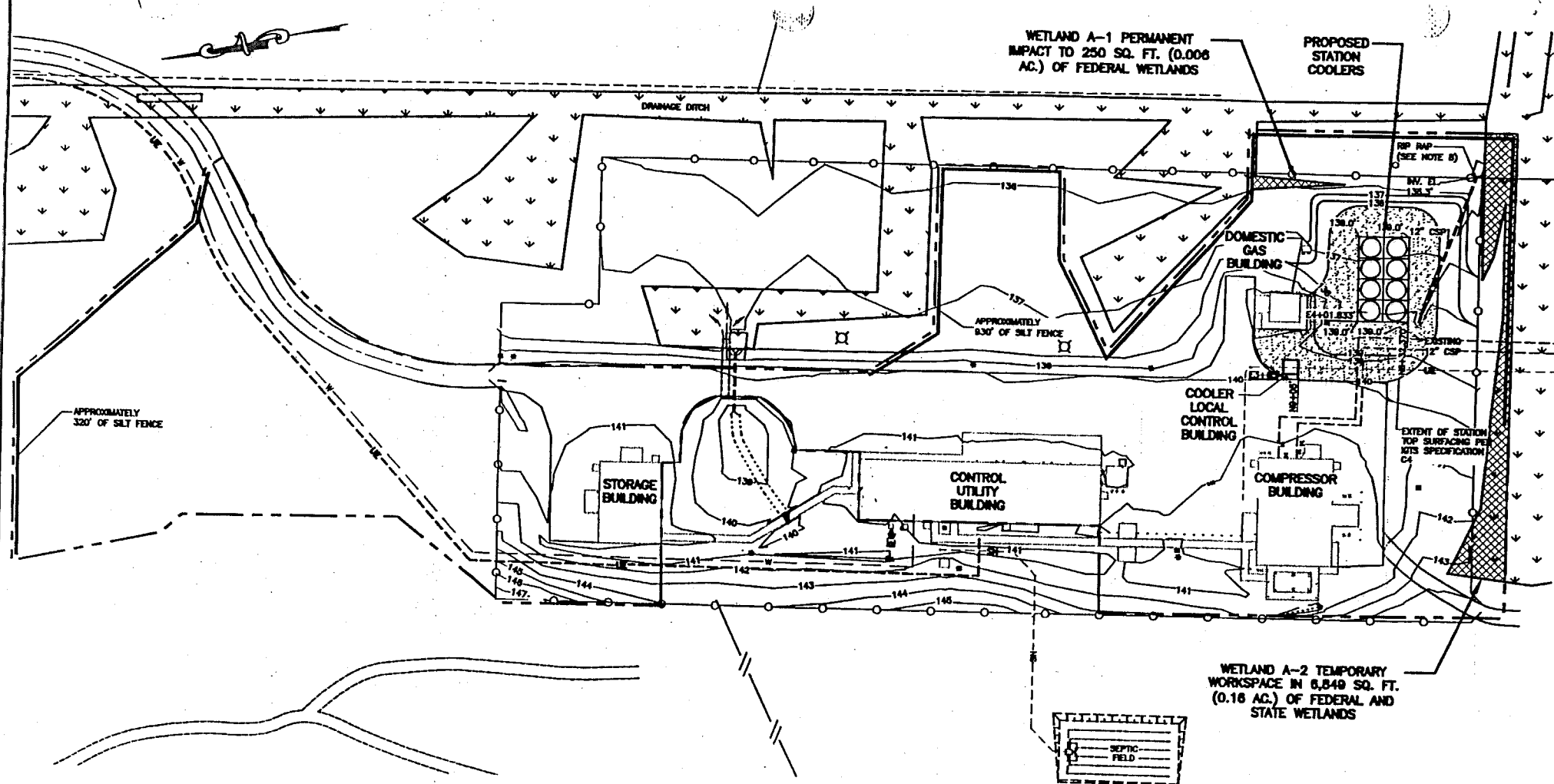
REVISIONS					
REV.	DATE	DESCRIPTION	BY	CHK'D	ENG



DESIGNED BY	SLK	DATE	1/31/02
CHECKED BY	K.O.	DATE	1/31/02
ENGR. SLP.		DATE	
DATE	1/31/02	DATE	1/31/02
FILE NO.	SK-ENV-A-02-03	SCALE	1" = 120'

WETLAND DRAWING		TOWN OF CROGHAN LEWIS COUNTY		NEW YORK
CROGHAN COMPRESSOR ADDITION		SK-ENV-A-02-03		0
CROGHAN COMPRESSOR STATION				

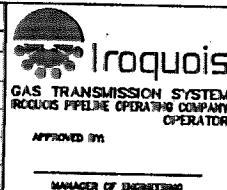
PLOT DATE: 1/31/02



# LEGEND

	FEDERAL WETLAND AREA
	WETLAND BOUNDARY
	PROPOSED WORK IN WETLANDS
	LIMIT OF DISTURBANCE
	STATION FENCE
	STONEWALL
	EXISTING CONTOUR
	SILT FENCE

REVISIONS					
REV.	DATE	DESCRIPTION	BY	CHK'D	ENG



DESIGNED BY	SLK	DATE	1/31/02
CHECKED BY	K.O.	DATE	1/31/02
DRAFT. SUP.		DATE	
DATE	1/31/02	DATE	1/31/02
FILE NO.	SK-ENV-A-02-02	SCALE	1" = 100'

33.33		WETLAND DRAWING PROPOSED GAS COOLER ATHENS COMPRESSOR STATION	
TOWN OF ATHENS GREENE COUNTY		NEW YORK	
SK-ENV-A-02-02		REVISION 0	